PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
FIPS NO. 071-55000-00
APPLICANT NAME NEW ORLEANS, CITY OF
SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

CATEGORY E. Public Buildings **COUNTY** ORLEANS **FUNDING OPTION** **COST SHARE** 1
STD PROJECT NO. 599 **PROJECT TITLE** JOE BROWN PARK
PROJECTED CMPLTN DT 02/28/2007 **ACTUAL CMPLTN DT** **WORK COMPLETE AS OF** 01/08/2009 : 0 %
ELIGIBILITY Yes **AMOUNT ELIG** $17,200.00 **FEDERAL SHARE** $17,200.00 **PRIORITY** Normal
BEGIN DESIGN DT **BEGIN CONSTR DT**
END DESIGN DT **END CONSTR DT**
PREPARER LUCIAN BARHAM
ROLE PO **DATA SOURCE**
STATE
DATE OBLGTD **PACKAGE DATE**
PACKAGE ID

PW REVIEWER DATA

MT PROP ● Yes ○ No **VALIDATED** ● Yes ○ No
PNP QUESTIONS ○ Yes ● No **STATE RVWD** ○ Yes ● No
ATTACH ○ Yes ● No

Does the Scope of Work change the pre-disaster conditions at the site?	○ Yes	● No	○ Unsure
Special Considerations issues included?	● Yes	○ No	○ Unsure
Is there insurance coverage on this facility?	● Yes	○ No	○ Unsure
Hazard Mitigation proposal included?	○ Yes	● No	○ Unsure

COPY

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SITE NUMBER 1 of 7
FACILITY NAME JOE BROWN -(MAINTENANCE BLDG, SHELTER1&2 **Latitude** 30.02811
ADDRESS 5601 READ BLVD. **Longitude** -89.9684
CITY ORLEANS PARISH **STATE** LA **ZIP** 70127

Check if this site will have mitigation work done on it: ☐ Was this site previously damaged? ○ Yes ○ No ● Unsure

SITE NUMBER 1 - LOCATION
5601 READ BLVD, NEW ORLEANS, LA 70127

**********SITE 1**********
PARK IS LOCATED WITHIN THE QUADRANT BETWEEN READ BLVD, LAKE FOREST BLVD, DWYER RD., AND WRIGHT RD.

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SITE NUMBER 1 - DAMAGE DIMENSIONS AND DESCRIPTION

HURRICANE KATRINA CAUSED CATASTROPHIC DAMAGE DURING THE INCIDENT PERIOD OF AUGUST 29, 2005 TO NOVEMBER 1, 2005 WHICH RESULTED IN THE DAMAGE DESCRIBED AND SHOWN ON THE ATTACHED SITE CONTINUATION SHEETS. BASED ON OBSERVATIONS MADE DURING THE INITIAL SITE VISIT ON NOVEMBER 3, 2005, THE JOE BROWN PARK AND MAINTENANCE BUILDINGS WERE ADVERSELY AFFECTED BY HIGH WINDS, HEAVY RAINS AND SURGE FLOODING. THE DAMAGE TO THE BUILDINGS IS DESCRIBED AND SHOWN ON THE ATTACHED SITE CONTINUATION SHEETS THIS PROJECT WORKSHEET WAS DEVELOPED USING REPRESENTATIVES FROM THE FEMA BUILDING TECHNICAL, HISTORICAL AND ENVIRONMENTAL UNITS. THE SCOPE OF WORK FOR THE ELIGIBLE REPAIRS WAS DEVELOPED USING INPUT FROM ALL TEAM MEMBERS TO ASSURE COMPLIANCE WITH SPECIAL CONDITIONS REQUIRED UNDER NEPA.

**********SITE 1**********

FACILITY SUSTAINED BOTH WIND AND FLOOD DAMAGE
ORIGINAL DAMAGES WRITTEN IN THE FOLLOWING PWS; PW #1971V0, VERSION 1, VERSION 2.

JOE BROWN PARK MAINTENANCE BUILDING:
STRUCTURE DESCRIPTION: THE PARK MAINTENANCE BUILDING IS A STRUCTURAL STEEL METAL SIDED BUILDING OF 4760 SQUARE FEET. THE MAINTENANCE SERVICE BAYS OF 3720 SQUARE FEET ARE USED FOR EQUIPMENT MAINTENANCE AND AN OFFICE AREA OF 1040 SQUARE FEET IS USED FOR MANAGEMENT STAFF.

THE BUILDINGS WERE SUBJECTED TO HIGH WINDS, DRIVING RAIN AND FLOOD WATERS OF 3.5 TO 6 FEET HIGH. THE FOLLOWING COMPONENTS WERE DAMAGED DURING THE STORM:

FLOOD DAMAGES
OVER 1040 SQUARE FEET OF INTERIOR OFFICE AREA WAS DESTROYED: AREA INCLUDED, FLOORS, WALLS, CEILINGS, WALL/CEILING INSULATION, DOORS, METAL DOORS, WOOD DOORS, WATER HEATER, PLUMBING, LIGHTS AND ELECTRICAL SYSTEM METAL STRUCTURAL FRAMING MEMBERS CORRODED BY BRACKISH FLOOD WATERS UP TO FLOOD LINE.
ELECTRICAL SYSTEM IN THE MAINTENANCE BAY AREA OF 3720 SQUARE FEET WAS DESTROYED;

HIGH WINDS DAMAGES
1- SIDE WALL PAINTED METAL SIDING THAT IS 640 SQUARE FEET WAS DESTROYED..
1- SIDE WALL PAINTED METAL

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SITE NUMBER 1 - DAMAGE DIMENSIONS AND DESCRIPTION

SIDING THAT IS 285 SQUARE FEET IN AREA WAS DESTROYED.
FOUR OVERHEAD METAL ROLL-UP DOORS THAT ARE 10 FEET BY 10 FEET WERE DESTROYED.
THREE EXTERIOR METAL DOORS 3 FEET - 0 INCHES BY 6 FEET- 8 INCHES WERE DESTROYED.
ONE DOUBLE WOODEN DOOR, 6 FEET BY 6 FEET - 8 INCHES WAS DESTROYED.
TWENTY FIBERGLASS ROOF SKYLIGHTS THAT WERE 3 FEET BY 12 FEET EACH WERE DESTROYED.
THREE ROOM SIZE AIR CONDITIONER-HEATER UNITS WERE DESTROYED.

JOE BROWN PARK SHELTERS #1 & #2:
FLOOD DAMAGES
ALL EXTERIOR WALL AREAS OF 1040 SQUARE FEET WERE SEVERELY STAINED;
ALL INTERIOR WALL AREAS OF 1040 SQUARE FEET WERE SEVERELY STAINED;
ALL COLUMN AREAS OF 452 SQUARE FEET WERE SEVERELY STAINED;
METAL DOOR 3 FEET BY 6 FEET - 8 INCHES CORRODED BY BRACKISH FLOOD WATERS;
METAL SECURITY GATE OF 200 SQUARE FEET CORRODED BY BRACKISH FLOOD WATERS;
FOUR STAINLESS STEEL SOAP DISPENSERS WERE SEVERELY CORRODED;
FIVE STAINLESS STEEL TOILET PAPER DISPENSERS WERE SEVERELY CORRODED;
FOUR TOWEL DISPENSERS WERE SEVERELY CORRODED;
TWO STAINLESS WATER COOLER DRINKING FOUNTAINS WERE SEVERELY CORRODED;
FOUR STAINLESS STEEL SINKS WERE CORRODED;
TWO METAL DOORS 3 FOOT BY 6 FOOT - 8 INCHES WERE DESTROYED;
COMPLETE ELECTRICAL SYSTEMS COVERING AN AREA OF 1800 SQUARE FEET WERE DESTROYED;
JOE BROWN PARK SHELTERS #1 & #2

HIGH WINDS DAMAGES
ASPHALT 3-TAB SHINGLES SHELTER #2 COVERING AN AREA OF 530 SQUARE FEET WERE DESTROYED. REMAINING ROOF AREA NEEDS TO BE PHYSICALLY INSPECTED FOR DAMAGE OR ORIDINARY WEAR AND TEAR ON A ROOF OF SIMILAR AGE AND EXPOSURE;
VINYL SIDING COVERING AN AREA OF 70 SQUARE FEET WAS DESTROYED.

JOE BROWN PARK TENNIS CONCESSION BUILDING:
DAMAGE DESCRIPTION: THE TENNIS COURTS AND FENCING ENCLOSURE WERE SUBJECT TO HIGH WINDS AND FLOOD WATERS OF APPROXIMATELY 6 FEET ABOVE THE GROUND DURING THE DECLARED DISASTER AND SIGNIFICANT WIND DAMAGE WAS DONE TO THE ENCLOSURE.
FLOOD DAMAGES
PART 1:
ASPHALT 3-TAB SHINGLES COVERING AN AREA OF 700 SQUARE FEET WERE DESTROYED. REMAINING ROOF AR

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FEMA PW # 18072 **VSN** 2 **REF#** 18072V2 ○ REC

SITE NUMBER 1 - DAMAGE DIMENSIONS AND DESCRIPTION

EA NEEDS TO BE PHYSICALLY INSPECTED FOR DAMAGE OR ORDINARY WEAR AND TEAR ON A ROOF OF SIMILAR AGE AND EXPOSURE;
ASPHALT EDGE STARTER STRIP OF 188 LINEAR FEET WAS DESTROYED;
WOOD 1 X 12 INCH FACIA BOARD CONSISTING OF 59 LINEAR FEET WAS DESTROYED;
WOOD FENCE THAT IS 30 LINEAR FEET LONG BY 6 FEET HIGH WAS DESTROYED;
INTERIOR ELECTRICAL SYSTEM COVERING AN AREA OF 2000 SQUARE FEET WAS DESTROYED;
ONE DOMESTIC TYPE 40 GALLON HOT WATER HEATER DESTROYED;
ONE 3-TON AIR-CONDITIONER COMPRESSOR-FAN COOLING UNIT WAS DESTROYED;
INTERIOR WALLS OF 800 SQUARE FEET WERE SEVERELY STAINED;
FIVE HUNDRED SQUARE FEET OF VINYL 12 INCH BY 12 INCH BY 3/16 INCH THICK FLOOR TILES WERE DESTROYED

DAMAGES FOUND AFTER SECOND INSPECTION OF THE TENNIS COURT CONCESSION BUILDING:

PART 2: THE FOLLOWING ADDITIONAL COMPONENTS WERE DAMAGED OR DESTROYED DURING THE STORM:

WIND DAMAGED THE FOLLOWING TENNIS COURT FENCE ENCLOSURE COMPONENTS:
1. 240 LINEAL FEET OF 10 FOOT HIGH CHAIN LINK FENCING WITH ONE 3 FOOT WIDE BY 7 FOOT HIGH GATE ON EAST FENCE LINE.
2. 50 LINEAL FEET OF 9 FOOT HIGH CHAIN LINK FENCING (ON NORTH FENCE LINE).
3. MISSING TOP RAILS (ONE 15 LINEAL FEET AT CENTER OF WEST FENCE LINE) AND CENTER RAILS (TWO AT 10 LINEAL FEET EACH, ONE ON SOUTH FENCE LINE AT EAST END AND ONE ON WEST FENCE LINE AT NORTH END).
4. MIS-ALIGNMENT OF CENTER RAILS IN 6 LOCATIONS ON SOUTH, NORTH AND WEST FENCE LINES.
5. MIS-ALIGNMENT OF 1 CHAIN LINK GATE IN NORTHWEST CORNER OF ENCLOSURE.
6. MIS-ALIGNMENT OF ONE POST EXTENSION IN NORTHWEST CORNER OF ENCLOSURE.
7. MISSING 1 POST CAP AT CENTER OF WEST FENCE LINE (AT GATE).

1. ASPHALT 3-TAB SHINGLE ROOF MEMBRANE, 75 FEET BY 54 FEET, APPROXIMATELY 4,025 SQUARE FEET (3:12 SLOPE) ADDITIONAL DAMAGE. THE ORIGINAL PW INCLUDED 70 SQUARE FEET OF MEMBRANE.
2. RIDGE VENT AT TOP OF ROOF, 21 LINEAL FEET.
3. ASPHALT EDGE STARTER STRIP, APPROXIMATELY 70 LINEAL FEET ADDITIONAL DAMAGE. THE OR

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SITE NUMBER 1 - DAMAGE DIMENSIONS AND DESCRIPTION

IGINAL PW INCLUDED 188 LINEAL FEET OF STARTER STRIP.
4. DIAGONAL BRACING BETWEEN ROOF TRUSSES HAS BEEN PULLED LOOSE AT A MINIMUM OF 3 LOCATIONS. ADDITIONAL LOCATIONS MAY BE FOUND WHEN THE ACOUSTICAL CEILING SYSTEM HAS BEEN REMOVED.
5. WOOD 1X12 FASCIA BOARD, APPROXIMATELY 199 LINEAL FEET ADDITIONAL DAMAGE. THE ORIGINAL PW INCLUDED 59 LINEAL FEET OF FASCIA BOARD.
6. PLYWOOD SOFFITS, 1 FOOT WIDE AROUND THE PERIMETER OF THE ROOF, 254 LINEAL FEET.
7. ACOUSTICAL CEILING SYSTEM INCLUDING 2 FOOT BY 4 FOOT PANELS AND SUSPENSION SYSTEM, APPROXIMATELY 450 SQUARE FEET.
8. TWO, 2 FOOT BY 4 FOOT FLUORESCENT LIGHTS BELOW RIDGE VENT.

FLOOD WATERS DAMAGED THE FOLLOWING ADDITIONAL TENNIS COURT CONCESSIONS BUILDING COMPONENTS:
1. ONE ALUMINUM FRAMED ENTRY DOOR WITH ASSOCIATED HARDWARE. ENTRY DOOR WAS TORN OFF ALUMINUM FRAME.
2. TWO BRACKET MOUNTED DRINKING FOUNTAINS ON THE EXTERIOR OF THE BUILDING.
3. PEELING PAINT ON 18 STEEL TUBE COLUMNS AND BRACKETS SUPPORTING THE ROOF EAVES.
4. LAVATORIES IN MEN'S AND WOMEN'S TOILET ROOMS, 4 TOTAL.
5. TOILETS IN MEN'S AND WOMEN'S TOILET ROOMS, 6 TOTAL.
6. POLYETHYLENE URINAL TROUGH IN MEN'S TOILET ROOM, 4 FEET LONG.
7. TOILET PARTITIONS IN MEN'S AND WOMEN'S TOILET ROOMS, 6 FEET LONG IN MEN'S AND 11 FEET-6 INCHES LONG IN WOMEN'S TOILET ROOMS, FRONTS ONLY (DOORS AND PILASTERS).
8. GYPSUM BOARD PARTITIONS AND PLASTIC LAMINATE COUNTERTOPS, 16 LINEAL FEET IN TWO SECTIONS WITH 18 INCHES WIDE COUNTERTOP.
9. FIVE 3 FEET BY 6 FEET-8 INCHES HOLLOW METAL DOORS AND FRAMES WITH 3 FEET WIDE BY 20 INCHES HIGH TRANSOM PANELS AT ENTRANCES TO TOILET ROOMS, STORAGE ROOMS INSIDE TOILET ROOMS AND ON WEST SIDE OF BUILDING.
10. TWO 3 FEET BY 6 FEET-8 INCHES STEEL DOOR FRAMES WITH 3 FEET WIDE BY 20 INCHES HIGH TRANSOM PANELS AT INSIDE OF TOILET ROOM VESTIBULES. THE DOORS APPEAR TO HAVE BEEN REMOVED PRIOR TO THE DISASTER.
11. BUILT-IN WO

OD DESK WITH PLASTIC LAMINATE TOP IN NORTHWEST CORNER OF BUILDING, 4 FEET-4 INCHES LONG WITH 3-DRAWER PEDESTAL ON RIGHT SIDE.
12. BUILT-IN WOOD CABINET AND PLASTIC LAMINATE COUNTERTOP IN SOUTHWEST CORNER OF BUILDING, 4 FEET-4 INCHES LONG.
13. BUILT-IN WOOD CABINET AND STAINLESS STEEL COUNTERTOP COVERING IN WEST ROOM, 11 FEET LONG, 30 INCHES DEEP.
14. ONE, THREE-COMPARTMENT STAINLESS STEEL UTILITY SINK.

IT IS ANTICIPATED THAT THE SCOPE OF WORK COULD BE REVISED WHEN THE FINAL PLANS ARE DEVELOPED. ANY REVISED SCOPE OF WORK OR COST WILL BE COVERED IN A SEPARATE VERSION OR VERSIONS OF THIS PROJECT WORKSHEET

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SITE NUMBER 1 - SCOPE OF WORK

IT IS THE APPLICANT'S DESIRE TO CONSOLIDATE ALL PWS RELATING TO EACH CITY PARK INTO ONE PROJECT WORKSHEET. THIS PW WAS DEVELOPED BY COMBINING 7 JOE BROWN PWS AND THEIR 18 VERSIONS INTO ONE PW. THE METHODOLOGY USED IN THIS COMPILATION PROCESS IS AS FOLLOWS; SITE SHEETS WILL BE USED FOR EACH OF THE SEVEN PWS; ONE SITE SHEET PER PW. ORIGINAL CEF WILL BE USED AND NONE WILL BE RECALCULATED

THE SCOPE OF WORK IS TO BRING THESE FACILITIES BACK TO THEIR PREDISASTER FUNCTION AND CAPACITY. IT INCLUDES ALL INVESTIGATION, DESIGN, CONSTRUCTION REPAIRS AND REPLACEMENT OF DAMAGED EQUIPMENT. THE ESTIMATED COST AND SCOPE IS SHOWN IN THE ATTACHED CEF REPORTS. IT INCLUDES, IF NECESSARY, THE PROCUREMENT OF QUALIFIED ARCHITECTURAL AND ENGINEERING (A&E) CONSULTANTS. THE CITY WILL FOLLOW ITS PROCUREMENT PROTOCAL LISTED IN THE OCTOBER 3, 2005 MEMORANDUM FROM THE MAYOR'S OFFICE AND 44 CFR 13.

**********SITE 1**********

NO REPAIRS DON AS OF YET

JOE BROWN PARK MAINTENANCE BUILDING:
FLOODING DAMAGES
1 - RENOVATE INTERIOR OFFICE AREA FLOORS, WALLS, CEILING, WALL/CEILING INSULATION, WOOD DOORS, METAL DOORS, WATER HEATER, PLUMBING, LIGHTS AND ELECTRICAL SYSTEM OF 1040 SQUARE FEET TO ITS PRE-DISASTER CONDITION;
2 - CLEAN, SAND OR WIRE BRUSH, RUST INHIBIT, PRIME AND PAINT STRUCTURAL STEEL FRAMING MEMBERS;
3 - REMOVE AND REPLACE MAINTENANCE BAY ELECTRICAL SYSTEM IN THE 3720 SQUARE FOOT AREA;
4 - REMOVE AND REPLACE PAINTED METAL END-WALL WITH 604 SQUARE FEET OF IN KIND MATERIALS;
5 - REMOVE AND REPLACED PAINTED METAL SIDE-WALL WITH 285 SQUARE FEET OF IN KIND MATERIALS
6 - REMOVE AND REPLACE FOUR OVERHEAD METAL ROLL-UP DOORS THAT ARE 10 FEET BY 10 FEET;
7 - REMOVE AND REPLACE THREE METAL DOORS 3 FEET - 0 INCHES BY 6 FEET - 8 INCHES;
8 - REMOVE AND REPLACE ONE WOODEN DOOR, 6 FEET WIDE BY 6 FEET - 8 INCHES HIGH;.
9 - REPLACE THREE ROOM SIZE OFFICE AIR CONDITIONER/HEATER UNITS.

HIGH WINDS DAMAGES
10-REM

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OVE AND REPLACE TWENTY FIBERGLASS SKYLIGHTS THAT ARE 3 FEET WIDE BY 12 LONG BY 1/8 INCH THICK;

JOE BROWN PARK SHELTERS #1 & #2:
FLOODING DAMAGES
1 - CLEAN AND PAINT COMPLETE EXTERIOR WALL AREAS OF 1040 SQUARE FEET;
2 - CLEAN AND PAINT COMPLETE INTERIOR WALL AREAS OF 1040 SQUARE FEET;
3 - CLEAN AND PAINT ALL COLUMN AREAS OF 452 SQUARE FEET;
4 - SAND, RUST INHIBIT AND PAINT METAL DOOR 3 FEET BY 6 FEET - 8 INCHES;
5 - SAND, RUST INHIBIT AND PAINT METAL GATES OF 200 SQUARE FEET;
6 - REMOVE AND REPLACE FOUR STAINLESS STEEL SOAP DISPENSERS;
7 - REMOVE AND REPLACE FIVE STAINLESS STEEL TOILET DISPENSERS;
8 - REMOVE AND REPLACE FOUR STAINLESS STEEL TOWEL DISPENSERS;
9 - REMOVE AND REPLACE TWO STAINLESS WALL COOLER DRINKING FOUNTAINS;
10-REMOVE AND REPLACE FOUR STAINLESS STEEL SINKS;
11-REMOVE AND REPLACE TWO METAL DOORS THAT ARE 3 FEET BY 6 FEET - 8 INCHES;
12-REMOVE AND REPLACE 1800 SQUARE FEET OF ELECTRICAL SYSTEM

HIGH WINDS DAMAGES
13-REPLACE 530 SQUARE FEET OF 3 TAB ASPHALT SHINGLES OF SIMILAR COLOR AND KIND. INSPECT REMAINING ROOF AREA FOR INCIDENT DAMAGE AND REPLACE AS REQUIRED;
14-REPLACE 70 SQUARE FEET OF VINYL SIDING WITH SIMILAR COLOR AND KIND.

JOE BROWN PARK TENNIS CONCESSION BUILDING:
PART 1 :

FLOODING DAMAGES
1 - REMOVE AND RENOVATE 2000 SQUARE FEET OF ELECTRICAL SYSTEM;
2 - REMOVE AND REPLACE ONE 3-TON COMPRESSOR-FAN AIR CONDITIONING COOLING UNIT;
3 - REMOVE AND REPLACE ONE 40 GALLON HOT WATER HEATER;
4 - CLEAN AND PAINT 800 SQUARE FEET OF STAINED INTERIOR WALL AREA;
5 - REMOVE AND REPLACED 500 SQUARE FEET OF 12 INCH BY 12 INCH BY 3/13 INCH VINYL FLOOR TILES OF SIMILAR COLOR.

HIGH WINDS DAMAGES
6 - REPLACE (700SF) OF 3 TAB ASPHALT SHINGLES OF SIMILAR COLOR AND KIND. REMAINING ROOF AREA TO BE INSPECTED FOR INCIDENTAL DAMAGES AND REPLACED AS REQUIRED.
7 - REMOVE AND REPLACE 188 LINEAR FEET OF ASPHALT STARTER STRIP.

JOE BROWN PARK TENNIS CONCESSION BUILDING:
PART 2 :
UNCOMPLETED WIND REPAIRS ON THE TENNIS COURT FENCE

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ENCLOSURE:
1. REMOVAL OF 240 LINEAL FEET OF 10 FOOT HIGH CHAIN LINK FENCING WITH ONE 3 FOOT WIDE BY 7 FOOT HIGH GATE ON THE EAST FENCE LINE.
2. INSTALL 240 LINEAL FEET OF 10 FOOT HIGH CHAIN LINK FENCING WITH ONE 3 FOOT WIDE BY 7 FOOT HIGH GATE ON THE EAST FENCE LINE.
3. RESETTING OF 50 LINEAL FEET OF 9 FOOT HIGH CHAIN LINK FENCING.
4. REPLACE MISSING TOP RAILS (ONE 15 LINEAL FEET) AND CENTER RAILS (TWO AT 10 LINEAL FEET EACH).
5. RE-ATTACH CENTER RAILS IN 6 LOCATIONS ON SOUTH, NORTH AND WEST FENCE LINES.
6. RE-ALIGN 1 CHAIN LINK GATE IN NORTHWEST CORNER OF ENCLOSURE.
7. RE-ATTACH ONE POST EXTENSION IN NORTHWEST CORNER OF ENCLOSURE.
8. UNCOMPLETED WIND REPAIRS ON THE TENNIS COURT CONCESSIONS BUILDING:
9. REMOVAL AND REPLACEMENT OF ASPHALT 3-TAB SHINGLE ROOF MEMBRANE, 75 FEET BY 54 FEET, APPROXIMATELY 4,025 SQUARE FEET (3:12 SLOPE) ADDITIONAL DAMAGE. THE ORIGINAL PW INCLUDED 70 SQUARE FEET OF MEMBRANE.
10. REINSTALLATION OF RIDGE VENT AT TOP OF ROOF, 21 LINEAL FEET.
11. RE-ATTACH LOOSENED DIAGONAL BRACING BETWEEN ROOF TRUSSES AT A MINIMUM OF 3 LOCATIONS. ADDITIONAL LOCATIONS MAY BE FOUND WHEN THE ACOUSTICAL CEILING SYSTEM HAS BEEN REMOVED.
12. REMOVAL AND REPLACEMENT OF WOOD 1X12 FASCIA BOARD, APPROXIMATELY 199 LINEAL FEET ADDITIONAL DAMAGE. THE ORIGINAL PW INCLUDED 59 LINEAL FEET OF FASCIA BOARD
13. REMOVAL AND REPLACEMENT OF 1/2 INCH THICK PLYWOOD SOFFITS, 1 FOOT WIDE AROUND THE PERIMETER OF THE ROOF, 254 LINEAL FEET.
14. REMOVAL AND REPLACEMENT OF ACOUSTICAL CEILING SYSTEM INCLUDING 2 FOOT BY 4 FOOT PANELS AND SUSPENSION SYSTEM, APPROXIMATELY 450 SQUARE FEET.
15. REMOVAL AND REPLACEMENT OF TWO, 2 FOOT BY 4 FOOT FLUORESCENT LIGHTS BELOW RIDGE VENT.

UNCOMPLETED FLOOD REPAIRS ON THE TENNIS COURT CONCESSIONS BUILDING:
1. REPLACE 1 ALUMINUM FRAMED ENTRY DOOR WITH ASSOCIATED HARDWARE.
2. REMOVAL AND REPLACEMENT OF TWO BRACKET MOUN

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TED DRINKING FOUNTAINS ON THE EXTERIOR OF THE BUILDING.
3. CLEANING OF PEELING PAINT AND PAINTING OF 18 STEEL TUBE COLUMNS AND BRACKETS SUPPORTING THE ROOF EAVES.
4. CLEANING OF LAVATORIES IN MEN'S AND WOMEN'S TOILET ROOMS, 4 TOTAL.
5. REMOVAL AND REPLACEMENT OF TOILETS IN MEN'S AND WOMEN'S TOILET ROOMS, 6 TOTAL.
6. CLEANING OF ONE POLYETHYLENE URINAL TROUGH AND FITTINGS IN MEN'S TOILET ROOM, 4 FEET LONG.
7. REMOVAL AND REPLACEMENT OF TOILET PARTITIONS IN MEN'S AND WOMEN'S TOILET ROOMS, 6 FEET LONG IN MEN'S AND 11 FEET-6 INCHES LONG IN WOMEN'S TOILET ROOMS, FRONTS ONLY (DOORS AND PILASTERS).
8. REMOVAL AND REPLACEMENT OF GYPSUM BOARD PARTITIONS AND PLASTIC LAMINATE COUNTERTOPS, 16 LINEAL FEET IN TWO SECTIONS WITH 18 INCHES WIDE COUNTERTOP.
9. REMOVAL AND REPLACEMENT OF FIVE 3 FEET BY 7 FEET HOLLOW METAL DOORS AND FRAMES WITH 3 FEET WIDE BY 20 INCHES HIGH TRANSOM PANELS AT ENTRANCES TO TOILET ROOMS, STORAGE ROOMS INSIDE TOILET ROOMS AND ON WEST SIDE OF BUILDING.
10. REMOVAL AND REPLACEMENT OF TWO 3 FEET BY 7 FEET STEEL DOOR FRAMES AT INSIDE OF TOILET ROOM VESTIBULES. THE DOORS APPEAR TO HAVE BEEN REMOVED PRIOR TO THE DISASTER.
11. REMOVAL AND REPLACEMENT OF BUILT-IN WOOD DESK WITH PLASTIC LAMINATE TOP IN NORTHWEST CORNER OF BUILDING, 4 FEET-4 INCHES LONG WITH 3-DRAWER PEDESTAL ON RIGHT SIDE.
12. REMOVAL AND REPLACEMENT OF BUILT-IN WOOD CABINET AND PLASTIC LAMINATE COUNTERTOP IN SOUTHWEST CORNER OF BUILDING, 4 FEET-4 INCHES LONG.
13. REMOVAL AND REPLACEMENT OF BUILT-IN WOOD CABINET AND STAINLESS STEEL COUNTERTOP COVERING IN WEST ROOM, 11 FEET LONG, 30 INCHES DEEP.
14. CLEANING OF ONE, THREE-COMPARTMENT STAINLESS STEEL UTILITY SINK AND FITTINGS.

WORK COMPLETED:

WORK TO BE COMPLETED:
FLOODING DAMAGE: $436,653.00
WIND DAMAGE: $70,671.00
TOTAL: $507,324.00

**VERSION 1 -

**********VERSION 1**********

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INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 1 - SCOPE OF WORK

VERSION
THIS VERSION WILL DE-OBLIGATE PREVIOUSLY FUNDED PROJECT MANAGEMENT COSTS IN SITES FOR $57,059.00.

PREVIOUS VERSION PROVIDED AN ESTIMATE OF ANTICIPATED PROJECT MANAGEMENT (PM) COSTS DIRECTLY ASSOCIATED WITH THE CITY OF NEW ORLEANS, CAPITAL PROJECTS ADMINISTRATION'S MANAGEMENT OF THE RESTORATION / REPAIR OF THIS FACILITY. FACILITY-SPECIFIC PM COSTS ARE ELIGIBLE IN ACCORDANCE WITH FEMA POLICY 9526.6, PROJECT SUPERVISION AND MANAGEMENT COSTS OF SUB GRANTEES AND 44 CFR. THE ATTACHED MEMO FROM JAMES STARK TO COLONEL THOMAS KIRKPATRICK, DATED 05-01-07, DOCUMENTS REASONABLE COSTS FOR ESTIMATING PURPOSES BASED ON THE CITY'S HISTORIC COST FOR PERFORMING THESE ACTIVITIES ON CONSTRUCTION PROJECTS FOR THE THREE YEARS PRIOR TO THE DISASTER.

THE GROSS PROJECT SIZE (PART A THROUGH PART G) IN THIS PROJECT CEF IS $1,075,781.00 TO REPAIR THE FACILITY. THE NEW CPA PROJECT RATE IS 12% BASED ON THE PROJECT SIZE FROM THE NEW TABLE IN THE ATTACHED MEMO.

	WIND	FLOOD
SITE 1: PREVIOUSLY FUNDED H1 & H3 PROJECT MANAGEMENT COSTS	$ 4,335.00	$26,783.00
SITE 2: PREVIOUSLY FUNDED H1 & H3 PROJECT MANAGEMENT COSTS??	$ 0.00	$12,690.00
SITE 3: PREVIOUSLY FUNDED H1 & H3 PROJECT MANAGEMENT COSTS??	$ 6,121.00	$ 8,375.00
SITE 6: PREVIOUSLY FUNDED H1 & H3 PROJECT MANAGEMENT COSTS??	$ 447.00	$ 726.00
TOTAL PREVIOUSLY APPROVED H1 & H3 PROJECT MANAGEMENT COSTS	$ 10,903.00	$ 48,574.00

ATTACHMENTS: MEMO FROM JAMES STARK TO COL. THOMAS KIRKPATRICK DATED 05-01-07.
MEMO FROM JAMES STARK TO COL. THOMAS KIRKPATRICK DATED 09-05-07.
**VERSION 2 -

**********VERSION 2**********

VERSION 0 WAS WRITTEN TO CONSOLIDATE PWS: #

1971, 9390, 9307, 13511, 7709, 13944 & 6758 JOE BROWN PARK COMPLEX.
VERSION 1 WAS TO DE-OBLIGATE PREVIOUSLY FUNDED PROJECT MANAGEMENT COSTS.
VERSION 2: THE APPLICANT HAS REQUESTED A VERSION TO PW 18072 THROUGH THE FEMA/GOSHEP VERSIONING PROCESS OUTLING THE BASIC SCOPE OF WORK TO REPLACE UNDERGROUND WIRING TO INCLUDE CONDUIT SUPPORTING THE TENNIS COURT LIGHTING. DURING AN ATTEMPT TO REPLACE THE UNDERGROUND WIRING, THE CONTRACTOR WAS UNABLE TO PULL THE WIRE THROUGH EXISTING CONDUIT. TO COMPLETE REQUIRED REPAIRS TO THE TENNIS COURT LIGHTING THE REPLACEMENT OF CONDUIT WILL BE REQUIRED. THE ATTACHED PROPOSAL FOR $17,200.00 IS PROVIDED TO REPLACE THE CONDUIT AND ADDITIONAL #4 AWG WIRE. IN THE ABSENT OF A DETAILED SCOPE OF WORK FROM THE CONTRACTOR THE ATTACHED SKETCH SHOW AN ESTIMATED POTENTIAL SCOPE OF WORK TO REPLACING ALL THE CONDUIT FOR THE TENNIS COURT COMPLEX.

PW 18072 V0- SHOWS FOR #4 AWG WIRE. $4,800.00 PREVIOUSLY FUNDED. SEE ATTACHED CEF FROM PW VERSION 0 SITE #6. ITEM #72.
PW 18072 V2- ESTIMATE FOR CONDUIT = $14,262.50 BASED ON RS MEANS COST WORKS TO REPLACE ALL THE CONDUIT.

REQUESTED AMOUNT BY THE APPLICANT: $17,200.00 SINCE THE ESTIMATE IS WITHIN 18% OF OUR ESTIMATE, WE CONSIDER THE APPLICANT ESTIMATE TO BE REASONABLE.
ACTUAL COST WILL BE RECONCILIATED AT THE CONCLUSION OF WORK.

ATTACHED: APPLICANT'S VERSION REQUEST WITH CONTRACTOR'S PROPOSAL.
SKETCH OF PROBABLE SCOPE OF WORK.
R.S. MEANS ESTIMATED COST.

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
FIPS NO. 071-55000-00
APPLICANT NAME NEW ORLEANS, CITY OF
SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
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REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 2 of 7
FACILITY NAME JOE BROWN-BASEBALL FIELDS 1,2,& 3 **Latitude** 30.02811
ADDRESS 5601 READ BLVD. **Longitude** -89.9684
CITY ORLEANS PARISH **STATE** LA **ZIP** 70127

Check if this site will have mitigation work done on it: ☐ Was this site previously damaged? ○ Yes ○ No ○ Unsure

SITE NUMBER 2 - LOCATION

5601 READ BLVD.
PARK IS LOCATED WITHIN THE QUADRANT BETWEEN READ BLVD, LAKE FOREST BLVD, DWYER RD., AND WRIGHT RD.

SITE NUMBER 2 - DAMAGE DIMENSIONS AND DESCRIPTION

ORIGINAL DAMAGES WRITTEN IN THE FOLLOWING PWS; PW #2398V0, VERSION 1, VERSION 2, VERSION 3

BASED ON OBSERVATIONS MADE DURING THE INITIAL SITE VISIT ON NOVEMBER 22, 2005, THE JOE BROWN MEMORIAL PARK BASEBALL FIELDS (3) WERE ADVERSELY AFFECTED BY HIGH WINDS, HEAVY RAINS AND SURGE FLOODING. THE DAMAGE TO THE FIELDS AND ASSOCIATED STRUCTURES IS DESCRIBED AND SHOWN ON THE ATTACHED CONTINUATION SHEETS.

ANY STRUCTURES ASSOCIATED WITH THE BASEBALL FIELDS ARE NOT CONSIDERED HISTORICAL. THIS PROJECT WORKSHEET WAS DEVELOPED USING REPRESENTATIVES FROM THE FEMA BUILDING TECHNICAL, HISTORICAL AND ENVIRONMENTAL UNITS. THE SCOPE OF WORK FOR THE ELIGIBLE REPAIRS WAS DEVELOPED USING INPUT FROM ALL TEAM MEMBERS TO ASSURE COMPLIANCE WITH SPECIAL CONDITIONS REQUIRED UNDER NEPA.

HAZARD MITIGATION (HM) OPPORTUNITIES WERE DISCUSSED WITH THE APPLICANT. IT WAS DETERMINED THAT THERE WERE NO VIABLE OR ECONOMICAL HM OPPORTUNITIES TO PROTECT THE ITEMS THAT WERE DAMAGED FROM THE EVENT THAT OCCURRED.

LIGHTING NOTE(S):
FLOODLIGHT CONDITION ANALYSIS - DUE TO POSSIBLE AFFECTS FROM THE DECLARED DISASTER, ALL INDIVIDUAL HIGH MAST FLOODLIGHTS REQUIRE VERIFICATION THAT THEY ARE ELECTRICALLY OPERATIONAL, AS WELL AS CORRECTLY ALIGNED FOR THEIR INTENDED PURPOSE. FOR PURPOSES OF DEVELOPMENT OF THIS PW, A COST COVERING REPLACEMENT OF UP TO 50% OF TOTAL FLOODLIGHT LAMPS PRESENT AT THE FACILITY IS ASSUMED. THIS TOTAL COST WILL BE SUBJECT TO VERIFICATION AND POSSIBLE READJUSTMENT BY THE A/E.

HIGH MAST LIGHTING ELECTRICAL ANALYSIS - DUE TO POSSIBLE DAMAGING AFFECTS FROM THE DECLARED DISASTER, ALL SUBGRADE HIGH MAST FLOODLIGHT ELECTRICAL WIRING IS INCLUDED IN THIS PW AS REQUIRING REPULL/REPLACEMENT. DETAILS REGARDING ENGINEERING ANALYSIS AND COST JUSTIFICATION FOR THIS TASK IS NOTED ON THE COST JUSTIFICATION SHEET IN THE ATTACHMENT SECTION OF THIS PW.

FACILITY FUNCTION:
THE BASEBALL FIELDS ARE USED BY THE GENERAL PUBLIC FOR BASEBALL PLAYING AND OTHER RECREATIONAL ACTIVITIES.

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
FIPS NO. 071-55000-00
APPLICANT NAME NEW ORLEANS, CITY OF
SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 2 - DAMAGE DIMENSIONS AND DESCRIPTION

THE THREE (3) DESIGNATED FIELDS ARE IN DIFFERENT AREAS OF THE PARK, AND EACH FIELD IS ACCOMPANIED BY GRANDSTAND SEATING, CHAIN-LINK FENCING AND VARIOUS OTHER AMENITIES. GRANDSTAND SEATING IS NOT CONSIDERED DAMAGED AT ANY OF THE BALLFIELDS, AND THEREFORE NOT INCLUDED WITHIN THIS DAMAGE ASSESSMENT REPORT.

FACILITY SUSTAINED FLOOD DAMAGE

JOE BROWN PARK BASEBALL FIELD #1:

DESCRIPTION: - BASEBALL FIELD 1 IS LOCATED WITHIN THE NORTHWEST AREA OF JOE BROWN MEMORIAL PARK. BASEBALL FIELD 1 FENCING INCLUDES A CHAIN-LINK BACKSTOP, A DOUBLE-SWING CHAIN-LINK GATE ALONG THE FIRST BASE LINE, WITH A 12-FT. WIDE SWING OPENING, LOCATED NEXT TO THE FIRST BASE DUGOUT, AND TWO (2) CHAIN-LINK DUGOUTS. BASEBALL FIELD 1 PERIMETER FENCING LENGTH IS CALCULATED AT 1,264 LF.

DAMAGES:
FLOODWATER FORCES DAMAGED OR DESTROYED PERIMETER CHAIN-LINK FENCING (6-FT. HIGH, CALCULATED AT 1,264-FT. IN LENGTH) FOR THE BALLFIELD, AND THE FENCING REQUIRES REPLACEMENT;
WIND AND FLOODWATER FORCES DAMAGED OR DESTROYED TWO (2) 6-FT. CHAIN-LINK DUGOUTS AND THE DUGOUTS REQUIRE REPLACEMENT;
WIND AND FLOODWATER FORCES DAMAGED OR DESTROYED A 6-FT. HIGH, 12-FT. WIDE DOUBLE-SWING CHAIN-LINK GATE LOCATED ALONG THE FIRST BASE LINE AND THE GATE REQUIRES REPLACEMENT;

JOE BROWN PARK BASEBALL FIELD #2:

DESCRIPTION - BASEBALL FIELD 2 IS LOCATED TO THE SOUTHEAST OF BASEBALL FIELD 1 WITHIN JOE BROWN MEMORIAL PARK. BASEBALL FIELD 2 FENCING INCLUDES A CHAIN-LINK BACKSTOP AND A DOUBLE-SWING CHAIN-LINK GATE ALONG THE FIRST BASE LINE, WITH A 20-FT. WIDE SWING OPENING, LOCATED NEAR THE GRANDSTAND SEATING. BASEBALL FIELD 2 HAS EIGHT (8) HIGH MAST LIGHT STRUCTURES DISTRIBUTED ALONG THE BALLFIELD PERIMETER AT VARIOUS LOCATIONS, WITH AN AVERAGE OF FIVE (5) FLOODLIGHTS PER POLE, TOTALING 40 FLOODLIGHTS FOR THE SITE. BASEBALL FIELD 2 PERIMETER FENCING LENGTH IS CALCULATED AT 1,031 LF.

DAMAGES:
FLOODWATER FORCES DAMAGED OR DESTROYED PERIMETER CHAIN-LINK FENCING (6-FT. HIGH, CALCULATED AT 1,031-FT. IN

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FIPS NO. 071-55000-00
APPLICANT NAME NEW ORLEANS, CITY OF
SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 2 - DAMAGE DIMENSIONS AND DESCRIPTION

LENGTH) FOR THE BALLFIELD, AND THE FENCING REQUIRES REPLACEMENT;
WIND AND FLOODWATER FORCES DAMAGED OR DESTROYED A 20-FT. WIDE DOUBLE-SWING CHAIN-LINK FENCING GATE, AND THE FENCING GATE REQUIRES REPLACEMENT;
WIND FORCES IMPACTED EIGHT (8) HIGH MAST FLOODLIGHT STRUCTURES AND THE FLOODLIGHTS AND LAMPS MAY REQUIRE REPLACEMENT AND/OR DIRECTIONAL REORIENTATION;
FLOODWATERS INUNDATED THE JUNCTION BOXES, CIRCUIT PANELS, SWITCHGEAR AND SUBGRADE ELECTRICAL SYSTEM TO THE HIGH MAST LIGHTING NETWORK, AND THE SUBGRADE ELECTRICAL SYSTEM AND SWITCHGEAR REQUIRES REPLACEMENT;

JOE BROWN PARK BASEBALL FIELD #3:

DESCRIPTION: BASEBALL FIELD 3 IS LOCATED TO THE NORTHEAST OF BASEBALL FIELD 2 WITHIN JOE BROWN MEMORIAL PARK. BASEBALL FIELD 3 FENCING INCLUDES A CHAIN-LINK BACKSTOP AND TWO (2) CHAIN-LINK DUGOUTS. THERE IS A EXISTING 10-FT. X 15-FT. WOODEN PORTABLE STORAGE BUILDING LOCATED ALONG THE THIRD BASE LINE. BASEBALL FIELD 3 PERIMETER FENCING LENGTH IS CALCULATED AT 1,386 LF.

DAMAGES:

FLOODWATER FORCES DAMAGED OR DESTROYED PERIMETER CHAIN-LINK FENCING (6-FT. HIGH, CALCULATED AT 1,386-FT. IN LENGTH) FOR THE BALLFIELD, AND THE FENCING REQUIRES REPLACEMENT;
WIND AND FLOODWATER FORCES DAMAGED OR DESTROYED TWO (2) 6-FT. CHAIN-LINK DUGOUTS AND THE DUGOUTS REQUIRE REPLACEMENT;
WIND AND FLOODWATER FORCES DAMAGED OR DESTROYED PORTIONS OF THE BACKSTOP 15-FT. CHAIN-LINK FENCING, AND THE FENCING REQUIRES REPLACEMENT (15-FT. CHAIN-LINK FENCING, 900 SF TOTAL);
WIND AND FLOODWATER FORCES DAMAGED OR DESTROYED A 10-FT. X 15-FT. WOODEN PORTABLE STORAGE BUILDING, AND THE BUILDING REQUIRES REPLACEMENT

PROJECT WORKSHEET REPORT

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FIPS NO. 071-55000-00
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SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 2 - SCOPE OF WORK

NO REPAIRS DONE AS OF YET

JOE BROWN PARK BASEBALL FIELD #1:

DEMOLISH AND REMOVE EXISTING FENCING ALONG THE BASEBALL FIELD 1 PERIMETER AND THE EXISTING DUGOUTS (CALCULATED AT 1,364 LF TOTAL OF 6-FT. CHAIN-LINK FENCING);
REINSTALL NEW CHAIN-LINK FENCING AROUND THE PERIMETER OF BASEBALL FIELD 1 (6-FT. HIGH, CALCULATED PERIMETER FENCE LENGTH OF 1,264 LF), AND REINSTALL TWO (2) NEW CHAIN-LINK FENCE DUGOUTS (6-FT. HIGH, CALCULATED DUGOUT FENCING LENGTH OF 50 LF PER EACH DUGOUT, 100 LF TOTAL);
REINSTALL ONE (1) NEW 12-FT. WIDE DOUBLE-SWING CHAIN-LINK GATE ALONG THE FIRST BASE LINE;

JOE BROWN PARK BASEBALL FIELD #2:

DEMOLISH AND REMOVE EXISTING FENCING ALONG THE BASEBALL FIELD 2 PERIMETER AND THE EXISTING DUGOUTS (CALCULATED AT 1,031 LF TOTAL OF 6-FT. CHAIN-LINK FENCING);
REINSTALL ONE (1) NEW 20-FT. WIDE DOUBLE-SWING CHAIN-LINK GATE ALONG THE FIRST BASE LINE;
INSPECT HIGH MAST LIGHTING FLOODLIGHT LAMPS FOR ELECTRICAL OPERATION AND ORIENTATION. THIS INCLUDES REPLACING BAD OR MISSING LAMPS WHERE NECESSARY, AND CHECKING ALL LAMPS (OLD AND NEW) FOR DIRECTIONAL ORIENTATION, AND RE-ADJUSTING THE ORIENTATION WHERE NECESSARY. UP TO TWENTY (20) LAMPS OF FORTY (40) TOTAL OBSERVED FLOODLIGHT LAMPS HAVE POTENTIAL DAMAGE AND/OR REQUIRE REPLACEMENT;
REMOVE AND REPLACE ALL ELECTRICAL COMPONENTS WITHIN THE FLOOD WATER DEPTH THAT ARE ASSOCIATED WITH THE HIGH MAST LIGHTING SYSTEM. THIS INCLUDES CIRCUIT BREAKER PANELS, JUNCTION BOXES, SWITCHGEAR AND/OR ANY OTHER ASSOCIATED ELECTRICAL COMPONENTS ASSOCIATED WITH THE HIGH MAST LIGHTING SYSTEM THAT WERE WITHIN THE FLOOD WATER DEPTH. WIRING SHALL BE RE-PULLED FOR BASEBALL FIELD NO. 2 AS WELL AS THE ELECTRICAL LINE SEGMENT BETWEEN THE SWITCHGEAR AND TRANSFORMER VAULT NO. 7. WIRING FOR THE HIGH MAST LIGHTS AND UP TO TRANSFORMER VAULT NO. 7 SHALL BE RE-PULLED THROUGH EXISTING SUBGRADE CONDUIT

JOE BROWN PARK BASEBALL FIELD #3:

DEMOLISH AND REMOVE EXISTING FENCING ALONG THE BASEBALL FIELD 3 PERIMETER AND TH

E EXISTING DUGOUTS (CALCULATED AT 1,386 LF TOTAL OF 6-FT. CHAIN-LINK FENCING);
REINSTALL NEW CHAIN-LINK FENCING AROUND THE PERIMETER OF BASEBALL FIELD 3 (6-FT. HIGH, CALCULATED PERIMETER FENCE LENGTH OF 1,386 LF), AND REINSTALL TWO (2) NEW CHAIN-LINK FENCE DUGOUTS (6-FT. HIGH, CALCULATED DUGOUT FENCING LENGTH OF 50 LF PER EACH DUGOUT, 100 LF TOTAL);
REINSTALL NEW 15-FT. CHAIN-LINK FENCING TO REPLACE THE DAMAGED/DESTROYED PORTIONS OF THE BACKSTOP 15-FT. CHAIN-LINK FENCING (15-FT. CHAIN-LINK FENCING, 900 SF TOTAL);
REPLACE THE DAMAGED 10-FT. X 15-FT. WOODEN PORTABLE STORAGE BUILDING ALONG THE THIRD BASE LINE

WORK TO BE COMPLETED:

WORK TO BE COMPLETED:
FLOODING DAMAGE: $ 208,678.00
WIND DAMAGE: $ 0.00
TOTAL: $$ 208,678.00

PROJECT WORKSHEET REPORT

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FIPS NO. 071-55000-00 **REPORT DATE** 04/16/2009 14:36

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SUBDIVISION

INF TYPE ○ INF ● NON-INF ○ REC

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

SITE NUMBER 3 of 7

FACILITY NAME JOE BROWN-SHELTER-CONCESSION BLDG. **Latitude** 30.02811

ADDRESS 5601 READ BLVD. **Longitude** -89.9684

CITY ORLEANS PARISH **STATE** LA **ZIP** 70127

Check if this site will have mitigation work done on it: ☐ Was this site previously damaged? ○ Yes ○ No ○ Unsure

SITE NUMBER 3 - LOCATION

5601 READ BLVD.
PARK IS LOCATED WITHIN THE QUADRANT BETWEEN READ BLVD, LAKE FOREST BLVD, DWYER RD., AND WRIGHT RD.

SITE NUMBER 3 - DAMAGE DIMENSIONS AND DESCRIPTION

ORIGINAL DAMAGES WRITTEN IN THE FOLLOWING PWS; PW # 9307V0, VERSION 1, VERSION2, VERSION3
BASED ON OBSERVATIONS MADE DURING THE INITIAL SITE VISIT ON NOVEMBER 22, 2005, THE JOE BROWN MEMORIAL PARK - SHELTER/CONCESSION BUILDING (BUILDING NO. 347) AND ADJACENT BASEBALL FIELDS, WAS ADVERSELY AFFECTED BY HIGH WINDS, HEAVY RAINS AND SURGE FLOODING.

FACILITY DESCRIPTION:
SHELTER/CONCESSION BUILDING NO. 347 IS A CONCRETE BLOCK MASONRY STRUCTURE APPROXIMATELY 1,800 SQUARE FEET IN SIZE (45-FEET BY 40-FEET) AND SERVES AS A SHELTER AND REFRESHMENT CENTER FOR THE ADJACENT BASEBALL FIELDS. THE BUILDING CONTAINS MEN'S AND WOMEN'S RESTROOMS AND ROOMS FOR FOOD PREPARATION. THERE ARE EIGHT (8) HIGH MAST LIGHT STRUCTURES DISTRIBUTED AROUND BASEBALL FIELDS 1 AND 3 (EACH STRUCTURE WITH SIX (6) FLOODLIGHTS, TOTALING 48 LIGHTS), AND THREE (3) HIGH MAST LIGHT STRUCTURES AROUND BASEBALL FIELD 2 (TWO (2) POLES ON THE INFIELD BASELINE AND ONE (1) POLE ON THE RIGHT FIELD OUTER PERIMETER, EACH STRUCTURE WITH TWO (2) FLOODLIGHTS), FOR A TOTAL OF ELEVEN (11) HIGH MAST LIGHT POLES WITH FIFTY-FOUR (54) TOTAL FLOODLIGHT LAMPS FOR THE SITE.

FACILITY SUSTAINED BOTH WIND AND FLOOD DAMAGE

JOE BROWN PARK - SHELTER / CONCESSION:
FLOOD DAMAGES:
THE SHELTER/CONCESSION BUILDING AND ADJACENT BASEBALL FIELDS WERE SUBJECTED TO HIGH WINDS, DRIVING RAIN AND FLOOD WATERS OF 3.5 TO 6-FEET HIGH. THE FOLLOWING COMPONENTS WERE DAMAGED DURING THE STORM:
FLOODWATERS INUNDATED THE SHELTER/CONCESSION BUILDING INTERIOR CONTENTS, AND THE INTERIOR CONTENTS REQUIRES CLEARING AND DISPOSAL (200CY);
FLOODWATERS INUNDATED THE SHELTER/CONCESSION BUILDING INTERIOR WALLS AND FLOORING AND EXTERIOR WALLS, AND THE INTERIOR WALLS AND FLOORING AND EXTERIOR WALLS REQUIRE CLEANING (7,150SF TOTAL WALL AND FLOOR AREA);
FLOODWATERS INUNDATED THE INTERIOR UTILITY FUNCTIONALITY OF THE SHELTER/CONCESSION BUILDING, AND THE INTERIOR UTILITY FUNCTIONALITY REQUIRES RENOVATION (1,800 TOTAL SF);
FLOODWATERS I

PROJECT WORKSHEET REPORT

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FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

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SITE NUMBER 3 - DAMAGE DIMENSIONS AND DESCRIPTION

NUNDATED THE COMMUNICATION SYSTEM WIRING OF THE SHELTER/CONCESSION BUILDING, AND THE COMMUNICATION SYSTEM WIRING REQUIRES REPLACEMENT (1,800SF, TWO (2) PHONE JACKS);

JOE BROWN PARK SHELTER / CONCESSION:

FLOODWATERS INUNDATED THE INTERIOR FLOORING OF THE SHELTER/CONCESSION BUILDING, AND THE INTERIOR FLOORING REQUIRES REPLACEMENT (1,650SF);
FLOODWATERS INUNDATED HOLLOW-METAL DOORS AND DOOR FRAMES OF THE SHELTER/CONCESSION BUILDING, ALONG WITH ASSOCIATED DOOR HARDWARE, AND THE HOLLOW-METAL DOORS, FRAMES AND ASSOCIATED HARDWARE REQUIRE REPLACEMENT (8 HOLLOW-METAL DOORS TOTAL);
FLOODWATERS INUNDATED THE HINGES ON THE FABRICATED STEEL GATES ON THE SHELTER/CONCESSION BUILDING, AND THE HINGES REQUIRE REPLACEMENT (3 GATES);
FLOODWATERS INUNDATED THE EXISTING 40-GALLON WATER HEATER IN THE SHELTER/CONCESSION BUILDING, AND THE WATER HEATER REQUIRES REPLACEMENT;
FLOODWATERS INUNDATED A STAINLESS STEEL DOUBLE SINK IN THE KITCHEN AREA OF THE SHELTER/CONCESSION BUILDING, AND THE STAINLESS STEEL DOUBLE SINK REQUIRES REPLACEMENT;
FLOODWATERS INUNDATED THE SHELTER/CONCESSION BUILDING INTERIOR AND EXTERIOR WALLS, AND THE INTERIOR AND EXTERIOR WALLS REQUIRE REPAINTING (3,600SF INTERIOR WALL AREA, 1,900SF EXTERIOR WALL AREA);
FLOODWATERS INUNDATED THE JUNCTION BOXES, CIRCUIT PANELS, SWITCHGEAR AND SUBGRADE ELECTRICAL SYSTEM TO THE HIGH MAST LIGHTING NETWORK, AND THE SUBGRADE ELECTRICAL SYSTEM AND SWITCHGEAR REQUIRES REPLACEMENT;

WIND DAMAGES:
WIND FORCES DAMAGED OR DESTROYED CHAIN-LINK FENCING AND BLEACHERS, AND THE DAMAGED FENCING AND BLEACHERS NEED TO BE CLEARED AND DISPOSED OF (140LF OF CHAIN-LINK FENCING, SIX (6) 5-TIER BLEACHERS);
WIND FORCES DAMAGED OR DESTROYED 6-FT. HIGH CHAIN-LINK FENCING, AND THE 6-FT. HIGH CHAIN-LINK FENCING NEEDS TO BE REPLACED (80LF TOTAL);
WIND FORCES DAMAGED OR DESTROYED 10-FT. HIGH CHAIN-LINK FENCING, AND THE 10-FT. HIGH CHAIN-LINK FENCING NEEDS TO BE REPLACED (60LF TOTAL);
WIND FORCES DAMAGED OR DESTROYED A BASEBALL FIELD CHAIN-LINK BA

CKSTOP AT BASEBALL FIELD 1, AND THE CHAIN-LINK BACKSTOP NEEDS TO BE REPLACED;
WIND FORCES DAMAGED OR DESTROYED SIX (6) ALUMINUM PORTABLE BLEACHERS, AND THE ALUMINUM PORTABLE BLEACHERS NEED TO BE REPLACED (SIX (6) BLEACHERS TOTAL, 5 SEATING ROWS EACH, 15-FT. LONG);
WIND FORCES DAMAGED ONE (1) HIGH MAST LIGHT POLE ON THE RIGHT FIELD OUTER PERIMETER OF BASEBALL FIELD 2, AND THE POLE NEEDS TO BE REINSTALLED TO THE VERTICAL. THE POLE APPEARS TO BE LEANING APPROXIMATELY 20-DEGREES FROM THE VERTICAL.
WIND FORCES IMPACTED ELEVEN (11) HIGH MAST FLOODLIGHT STRUCTURES AND THE FLOODLIGHTS AND LAMPS MAY REQUIRE REPLACEMENT AND/OR DIRECTIONAL REORIENTATION

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
FIPS NO. 071-55000-00
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FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

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SITE NUMBER 3 - SCOPE OF WORK

NO REPAIRS DONE AS OF YET

JOE BROWN PARK - SHELTER - CONSESSION
SCOPE OF WORK TO RETURN TO PRE-DISASTER CONDITIONS:

FLOOD DAMAGE
CLEAR AND DISPOSE OF ALL INTERIOR CONTENTS OF THE CONCESSION BUILDING (200CY);
CLEAN ALL INTERIOR AND EXTERIOR WALLS AND FLOORING (7,150SF);
REMOVE AND REPLACE ALL ELECTRICAL COMPONENTS WITHIN THE FLOOD WATER DEPTH THAT ARE ASSOCIATED WITH THE CONCESSION BUILDING (1,800 TOTAL SF). THIS INCLUDES WALL OUTLETS, CIRCUIT BREAKER PANELS, JUNCTION BOXES, SWITCHGEAR AND/OR ANY OTHER ASSOCIATED ELECTRICAL COMPONENTS OF THE CONCESSION BUILDING THAT WERE WITHIN THE FLOOD WATER DEPTH. WIRING SHALL BE REMOVED UP TO THE FIRST JUNCTION BOX LOCATED ABOVE THE FLOOD WATER LEVEL;
REPLACE/REINSTALL COMMUNICATION SYSTEM WIRING, AS APPLIED TO ALARM SYSTEMS, INTERNET AND PHONE WIRING AND EMERGENCY LIGHTING (1,800SF, TWO (2) PHONE JACKS);
REMOVE AND REINSTALL INTERIOR VINYL FLOORING IN THE CONCESSION BUILDING (1,650SF);
REMOVE OLD AND REINSTALL NEW HOLLOW-METAL DOORS, AND ASSOCIATED HARDWARE, IN THE CONCESSION BUILDING (8 DOORS TOTAL);
REPLACE THE EXISTING STEEL HINGES ON THE FABRICATED STEEL GATES ON THE SHELTER/CONCESSION BUILDING (3 GATES);
INSTALL A NEW REPLACEMENT 40-GALLON WATER HEATER IN THE KITCHEN AREA OF THE CONCESSION BUILDING;
INSTALL A NEW STAINLESS STEEL DOUBLE SINK IN THE KITCHEN AREA OF THE CONCESSION BUILDING;
REPAINT ALL INTERIOR AND EXTERIOR WALLS OF THE CONCESSION BUILDING (3,600SF INTERIOR WALL AREA, 1,900SF EXTERIOR WALL AREA);
REMOVE AND REPLACE ALL ELECTRICAL COMPONENTS WITHIN THE FLOOD WATER DEPTH THAT ARE ASSOCIATED WITH THE HIGH MAST LIGHTING SYSTEM. THIS INCLUDES CIRCUIT BREAKER PANELS, JUNCTION BOXES, SWITCHGEAR AND/OR ANY OTHER ASSOCIATED ELECTRICAL COMPONENTS ASSOCIATED WITH THE HIGH MAST LIGHTING SYSTEM THAT WERE WITHIN THE FLOOD WATER DEPTH. WIRING SHALL BE REMOVED UP TO THE FIRST JUNCTION BOX LOCATED ABOVE THE FLOOD WATER LEVER. WIRING FOR THE HIGH MAST LIGHTS SHALL BE RE-PULLED THROUGH EXISTIN

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603 **PREPARED DATE** 06/26/2008

FIPS NO. 071-55000-00 **REPORT DATE** 04/16/2009 14:36

APPLICANT NAME NEW ORLEANS, CITY OF

SUBDIVISION

INF TYPE ○ INF ● NON-INF ○ REC

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

SITE NUMBER 3 - SCOPE OF WORK

G SUBGRADE CONDUIT;

WIND DAMAGE
DEMOLISH AND REMOVE EXISTING DAMAGED 6-FT. AND 10-FT. CHAIN-LINK FENCING AND BLEACHERS (80-FEET OF 6-FT. FENCING AND 60-FEET OF 10-FT. FENCING; SIX (6) 5-TIER ALUMINUM BLEACHERS);
REINSTALL NEW 6-FT. CHAIN-LINK FENCING (80-FEET TOTAL);
REINSTALL NEW 10-FT. CHAIN-LINK FENCING (60-FEET.TOTAL);
REPAIR/REPLACE THE EXISTING CHAIN-LINK BACKSTOP AT BASEBALL FIELD 1;
REPLACE SIX (6) DAMAGED ALUMINUM PORTABLE BLEACHERS (SIX (6) BLEACHERS TOTAL, 5 SEATING ROWS EACH, 15-FT. LONG);
REPLACE/REINSTALL TO THE VERTICAL THE HIGH MAST LIGHT POLE ON THE RIGHT FIELD OUTER PERIMETER OF BASEBALL FIELD 2;
INSPECT HIGH MAST LIGHTING FLOODLIGHT LAMPS ON ELEVEN (11) HIGH MAST FLOODLIGHT STRUCTURES FOR ELECTRICAL OPERATION AND ORIENTATION. THIS INCLUDES REPLACING BAD OR MISSING LAMPS WHERE NECESSARY, AND CHECKING ALL LAMPS (OLD AND NEW) FOR DIRECTIONAL ORIENTATION, AND RE-ADJUSTING THE ORIENTATION WHERE NECESSARY. UP TO TWENTY-SEVEN (27) LAMPS OF FIFTY-FOUR (54) TOTAL OBSERVED FLOODLIGHT LAMPS HAVE POTENTIAL DAMAGE AND/OR REQUIRE REPLACEMENT.

WORK COMPLETED:

WORK TO BE COMPLETED:
FLOODING DAMAGE: $137,366.00
WIND DAMAGE: $ 100,390.00
TOTAL: $237,756.00

PROJECT WORKSHEET REPORT

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INF TYPE ○ INF ● NON-INF ○ REC

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

SITE NUMBER 4 of 7

FACILITY NAME JOE BROWN - HOCKEY RINK & ROPES COURSE **Latitude** 30.02811

ADDRESS 5601 READ BLVD. **Longitude** -89.9684

CITY ORLEANS PARISH **STATE** LA **ZIP** 70127

Check if this site will have mitigation work done on it: ☐ Was this site previously damaged? ○ Yes ○ No ○ Unsure

SITE NUMBER 4 - LOCATION

5601 READ BLVD.
PARK IS LOCATED WITHIN THE QUADRANT BETWEEN READ BLVD, LAKE FOREST BLVD, DWYER RD., AND WRIGHT RD.

SITE NUMBER 4 - DAMAGE DIMENSIONS AND DESCRIPTION

FACILITY SUSTAINED FLOOD DAMAGE

ORIGINAL DAMAGES WRITTEN IN THE FOLLOWING PWS; PW #13511V0, VERSION 1, VERSION 2

JOE BROWN PARK - HOCKEY / ROPES COUSRE:
2 SWINGING PLASTIC RESIN (FIBERGLASS) DOOR, 3 ' X 4', FROM SURGING FLOOD,
16,896 SF OF PLASTIC RESIN (FIBERGLASS) WALL, STAINING FROM SURGING FLOOD, AND
120 SF OF CONCRETE SIDEWALK / BRIDGE, 50% OF 60' SPAN, 4 FT WIDE, ON LAMINATED WOOD POLES.

SITE NUMBER 4 - SCOPE OF WORK

NO REPAIRS DONE AS OF YET

THE ESTIMATED COST AND SCOPE IS SHOWN IN THE ATTACHED COST ESTIMATION SHEETS.
REMOVE/REPLACE 2 SWINGING PLASTIC RESIN (FIBERGLASS) DOOR, 3 ' X 4',
CLEAN 16,896 SF OF PLASTIC RESIN (FIBERGLASS) WALL,
REMOVE AND REPLACE 120 SF OF CONCRETE SIDEWALK / BRIDGE, AND
PROVIDE WASTE HAULING SERVICE

WORK COMPLETED:

WORK TO BE COMPLETED:
FLOODING DAMAGE: $10,240.51
WIND DAMAGE: $ 0.00
TOTAL: $10,240.51

PROJECT WORKSHEET REPORT

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FIPS NO. 071-55000-00
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SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

PROJECT WORKSHEET REPORT

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FIPS NO. 071-55000-00 **REPORT DATE** 04/16/2009 14:36

APPLICANT NAME NEW ORLEANS, CITY OF **INF TYPE** ○ INF ● NON-INF ○ REC

SUBDIVISION

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

SITE NUMBER 5 of 7

FACILITY NAME JOE BROWN -PEDESTRIAN BRIDGE/PICNIC **Latitude** 30.02811

ADDRESS 5601 READ BLVD. **Longitude** -89.9684

CITY ORLEANS PARISH **STATE** LA **ZIP** 70127

Check if this site will have mitigation work done on it: ☐ Was this site previously damaged? ○ Yes ○ No ○ Unsure

SITE NUMBER 5 - LOCATION

5601 READ BLVD.
PARK IS LOCATED WITHIN THE QUADRANT BETWEEN READ BLVD, LAKE FOREST BLVD, DWYER RD., AND WRIGHT RD.

SITE NUMBER 5 - DAMAGE DIMENSIONS AND DESCRIPTION

ORIGINAL DAMAGES WRITTEN IN THE FOLLOWING PWS; PW #7709V0, VERSION 1,
FACILITY SUSTAINED FLOOD DAMAGE

JOE BROWN PARK - PEDISTRIAN BRIDGE / PICNIC TABLES:

HURRICANE KATRINA CAUSED CATASTROPHIC DAMAGE WHICH RESULTED IN THE FOLLOWING:
JOE W. BROWN MEMORIAL PARK AT 5601 READ ROAD, NEW ORLEANS LOUISIANA, WAS INUNDATED WITH APPROXIMATELY 10' OF FLOOD WATERS. THE FLOOD WATERS REMAINED IN THE PARK FOR AN EXTENDED PERIOD, CAUSING SEVERE DAMAGE TO THE PARK GROUNDS, BRIDGES, PICNIC TABLES AND WOOD BENCHES.(SEE ATTACHED CONTINUATION SHEET FOR SCHEDULE OF DAMAGES)

THE FOLLOWING DAMAGES WERE CAUSED BY STORM SURGE AND SUSTAINED FLOODING:

1. ASPHALT BIKE TRAIL	30.02907/-89.96769	ALLIGATORING	160/SF
	30.03041/-89.96809	SUBSIDENCE	130/SF
	30.03004/-89.96715	SOIL EROSION	130/SF
	30.03019/-89.96737	SOIL EROSION	234/SF
	30.03098/-89.96720	SOIL EROSION	250/SF
	30.03212/-89.98510	SUBSIDENCE	130/SF
		TOTAL	834/SF

2. PICNIC TABLES THIRTY FIVE (35) 8-FT. PLASTISOL-COATED 3/4 '#9 EXPANDED METAL TABLE TOP WITH 2 ATTACHED 8-FT. SEATS WERE SUBMERGED UNDER FLOOD WATERS FOR AN EXTENDED PERIOD WHICH CAUSED CORROSION AND DISCOLORATION.
3 .PARK BENCHES FIVE PARK BENCHES WITH SIX 2 " X 4" X 6' WOOD SLATS ON CONCRETE BASE WERE SUBMERGED UNDER FLOOD WATER

PROJECT WORKSHEET REPORT

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SUBDIVISION

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 5 - DAMAGE DIMENSIONS AND DESCRIPTION

CAUSING DAMAGE.
4. SUNDIAL WATER STAINED CHROME COATED SUNDIAL
5. BRIDGE 30'L X 5'W PEDESTRIAN BRIDGE, COLLAPSED DUE TO SOIL EROSION AND SUBSIDENCE.

SITE NUMBER 5 - SCOPE OF WORK

NO REPAIRS DONE AS OF YET

1. REPAIR 834 SF OF ASPHALT BIKE TRAIL
2. REPLACE ALL PICNIC TABLES.(DARK GREEN)
3. REPLACE PARK BENCHES
4. CLEAN METAL SUNDIALL
5. DEMO CONCRETE PEDESTRIAN BRIDGE □
5A.* CONSTRUCT NEW PEDESTRIAN BRIDGE

WORK COMPLETED:

WORK TO BE COMPLETED:
FLOODING DAMAGE: $48,154.65
WIND DAMAGE: $ 0.00
TOTAL: $48,154.65

PROJECT WORKSHEET REPORT

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SUBDIVISION

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 6 of 7

FACILITY NAME JOE BROWN - ELECTRICAL **Latitude** 30.02811

ADDRESS 5601 READ BLVD. **Longitude** -89.9684

CITY ORLEANS PARISH **STATE** LA **ZIP** 70127

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SITE NUMBER 6 - LOCATION

5601 READ BLVD.
PARK IS LOCATED WITHIN THE QUADRANT BETWEEN READ BLVD, LAKE FOREST BLVD, DWYER RD., AND WRIGHT RD.

SITE NUMBER 6 - DAMAGE DIMENSIONS AND DESCRIPTION

FACILITY SUSTAINED BOTH WIND AND FLOOD DAMAGE .. JOE BROWN PARK EXTERIOR ELECTRICAL WAS ADVERSELY AFFECTED BY HIGH WINDS, HEAVY RAIN AND FLOODING. THE FLOOD WATERS REMAINED IN THE PARK'S ELECTRICAL VAULTS (ROOMS THAT MEASURES BETWEEN 150-200 SF WITH METAL ROOF), FOR AN EXTENDED PERIOD. FLOOD WAS THE CAUSE OF SEVERE DAMAGE TO THE ELECTRICAL EQUIPMENT. THE EQUIPMENT INCLUDES THE ELECTRICAL DISCONNECT SWITCHES, ELECTRICAL PANELS, CONTROL PANELS, RECEPTACLES AND AND ASSOCIATED WIRING. STREET LIGHT POLES, FIXTURES AND ROADWAY SIGNS WERE DAMAGED BY HIGH WINDS (FOR DETAILED DAMAGE DESCRIPTION AND DIMENSIONS SEE CONTINUATION SHEET
ORIGINAL DAMAGES WRITTEN IN THE FOLLOWING PWS; PW #13944V0, VERSION 1, VERSION2, VERSION3
3B WHAT WERE THE DAMAGES, CAUSED BY THE DISASTER AND THEIR PHYSICAL DIMENSIONS?
FLOOD DAMAGE:
1) VAULT #1 TO MAINTENANCE BUILDING - ESTIMATED DISTANCE 150', 4-250 MCM CABLE, (EST. 600')
2) VAULT #1 TO 10 STREET LIGHTS - ESTIMATED DISTANCE 1000' , 3-#10 AWG WIRE, (EST. 3000')
3) VAULT #1 DISCONNECT SWITCHES WERE NOT DAMAGED.
4) VAULT #1 METER PANELS WERE NOT DAMAGED.
5) VAULT #2 TO 2 AERATOR PUMPS - ESTIMATED DISTANCE 1000', 3-#8 AWG WIRE, (EST. 3000')
6) VAULT #2, ONE (1) ELECTRICAL PANEL FEEDING THE PUMPS
7) VAULT #2, TWO (2) 2-POLE, 40 AMP CIRCUIT BREAKERS
8) VAULT #2, ONE (1) 120 VOLT/20 AMP RECEPTACLE
9) VAULT #2, ONE (1) 120 VOLT/20 AMP SWITCH AND LIGHTS
10) VAULT #2, TWO (2) TIMER/CONTACTS PUMP CONTROL BOXES
11) VAULT #6 TO 20 PARKING LIGHTS, ESTIMATED DISTANCE - 100' EACH, 3-#10 AWG WIRE, (EST. 6000')
12) VAULT #6, ONE (1) 24" X 24" X 6" JUNCTION BOX
13) VAULT #6, ONE (1) 12 CIRCUIT ELECTRICAL PANEL
14) VAULT #6, TWO (2) 2- POLE 100 AMP CIRCUIT BREAKERS
15) VAULT #6, TWO (2) 1-POLE 20 AMP CIRCUIT BREAKERS
16) VAULT #6, ONE (1) 120 VOLT/20 AMP RECEPTACLE
17) VAULT #6, ONE (1) 120 VOLT/20 AMP SWITCH AND LIGHTS
18) VAULT #7, ONE (1) 240 VOLT/60 AMP DISCONNECT SWITCH
19) VAULT #7, ONE (1) 400 AMP, 18 CIR

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SUBDIVISION

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

SITE NUMBER 6 - DAMAGE DIMENSIONS AND DESCRIPTION

CUIT ELECTRICAL PANEL
20) VAULT #7 TO PICNIC AREA BUILDING - ESTIMATED DISTANCE 200', 4-#4/0 AWG WIRE, (EST. 800')
21) VAULT #7, THREE (3) 30" X 30" X 8" JUNCTION BOXES
22) VAULT #7 TO TENNIS COURT - ESTIMATED DISTANCE 125' - 4-#4/0 AWG WIRE, (EST. 500')
23) VAULT #7, TWO (2) DISCONNECT SWITCH, 200 A 3 PHASE 240 VOLT WERE NOT DAMAGED.
24) TENNIS COURT - ONE (1) 277/480 VOLT, 225 A LIGHTING CONTROL PANEL/CABINET.
25) TENNIS COURT LIGHTING WIRE - ESTIMATED DISTANCE 1000' - 4-#4 AWG WIRE, (EST. 4000')
26) TENNIS COURT LIGHTING WIRE - ESTIMATED DISTANCE 1000' - 4-#6 AWG WIRE, (EST. 4000')
27) TENNIS COURT LIGHTING WIRE - ESTIMATED DISTANCE 1000' - 4-#8 AWG WIRE, (EST. 4000')
28) 9,000 SF INTERIOR AND EXTERIOR MASONRY WALLS OF THE FIVE (5) VAULTS IS STAINED WITH CONTAMINATED BRACKISH FLOOD WATERS AND THE PAINT IS PEELING
29) FIVE (5) HOLLOW STEEL DOORS INCLUDING HARDWARE ARE RUSTED AND THE PAINT IS PEELING
WIND DAMAGE□
30) ONE (1) 30' CONCRETE STREET LIGHT POLE AND FIXTURE ACROSS FROM VAULT #2 IS BLOWN DOWN AND DAMAGED
31) TWENTY ONE (21) 70 WATT HIGH PRESSURE SODIUM STREET LIGHT FIXTURE ARE DAMAGED
32) THIRTY (30) STREET LIGHT POLES ARE LEANING
33) TWENTY (20) STREET SIGNS ARE BLOWN DOWN AND DAMAGED

NOTES: 1. THE VAULTS ARE ACTUALLY AT-GRADE ELECTRICAL ROOMS WITH FOUR WALLS AND A ROOF. EVERY ELECTRICAL ROOM IS DIVIDED INTO TWO ROOMS.
2. AT THE TIME OF DAMAGE ASSESSMENT BY FEMA AND CITY REPRESENTATIVES, NO ADDITIONAL VAULTS WERE IDENTIFIED. IF IN THE FUTURE, ADDITIONAL VAULTS
WERE IDENTIFIED BY THE APPLICANT AND DETERMINED TO BE ELIGIBLE, THE REPAIR OF THESE ADDITIONAL VAULTS AND EQUIPMENT MAY BE COVERED BY A
VERSION OF THIS PROJECT WORKSHEET (PW). THE APPLICANT IS TO CONTACT THE STATE.
3. THE UNDERGROUND CONDUITS ARE PVC AND EMBEDDED IN CONCRETE. FEMA DOESN'T HAVE ANY EVIDEN

CE OF DAMAGE TO THESE CONDUITS

PROJECT WORKSHEET REPORT

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SITE NUMBER 6 - SCOPE OF WORK

NO REPAIRS DONE AS OF YET

THE APPLICANT IS TO REMOVE AND REPLACE ALL DAMAGED ELECTRICAL EQUIPMENT INCLUDING DAMAGED ELECTRICAL EQUIPMENT AND ASSOCIATED WIRING AS DETAILED IN ATTACHED (SCOPE OF WORK CONTINUATION SHEET 2). COST ESTIMATES FOR THE PROJECT'S SCOPE OF WORK ARE BASED ON 2006 RS MEANS ADJUSTED FOR ZIP CODE 701.

WORK IS TO BE COMPLETED WITHIN 18 MONTHS. THIS WORK WILL BE PERFORMED BY AN ELECTRICAL CONTRACTOR WITH OVERSIGHT BY THE CITY OF NEW ORLEANS OR THEIR REPRESENTATIVE. BASIC CONSTRUCTION INSPECTION SERVICES WILL BE REQUIRED.

HAZARD MITIGATION (HM): IT IS RECOMMENDED THAT THE APPLICANT RAISE THE ELECTRICAL EQUIPMENT HIGHER IN THE VAULT OR OUTDOOR AS OUT LINED IN THE HMP. (SEE THE ATTACHED HM PROPOSALS)

JOE BROWN PARK EXTERIOR ELECTRICAL

WORK TO BE COMPLETED:
FLOOD DAMAGE:
1) VAULT #1 TO MAINTENANCE BUILDING - REMOVE AND REPLACE 4-250 MCM CABLE, (EST. 600')
2) VAULT #1 TO 10 STREET LIGHTS - REMOVE AND REPLACE 3-#10 AWG WIRE, (EST. 3000')
3) VAULT #2 TO 2 AEARATOR PUMPS - REMOVE AND REPLACE 3-#8 AWG WIRE, (EST. 3000')
4) VAULT #2, REMOVE AND REPLACE ONE (1) ELECTRICAL PANEL FEEDING THE PUMPS
5) VAULT #2, REMOVE AND REPLACE TWO (2) 2-POLE, 40 AMP CIRCUIT BREAKERS
6) VAULT #2, REMOVE AND REPLACE ONE (1) 120 VOLT/20 AMP RECEPTACLE
7) VAULT #2, REMOVE AND REPLACE ONE (1) 120 VOLT/20 AMP SWITCH AND LIGHTS
8) VAULT #2, REMOVE AND REPLACE TWO (2) TIMER/CONTACTS PUMP CONTROL BOXES
9) VAULT #6 TO 20 PARKING LIGHTS - REMOVE AND REPLACE 3-#10 AWG WIRE, (EST. 6000')
10) VAULT #6, REMOVE AND REPLACE ONE (1) 24" X 24" X 6" JUNCTION BOX
11) VAULT #6, REMOVE AND REPLACE ONE (1) 12 CIRCUIT ELECTRICAL PANEL
12) VAULT #6, REMOVE AND REPLACE TWO (2) 2- POLE 100 AMP CIRCUIT BREAKERS
13) VAULT #6, REMOVE AND REPLACE TWO (2) 1-POLE 20 AMP CIRCUIT BREAKERS
14) VAULT #6, REMOVE AND REPLACE ONE (1) 120 VOLT/ 20 AMP RECEPTACLE
15) VAULT #6, REMOVE AND REPLACE ONE (1) 120 VOLT/ 20 AMP SWITCH AND LIGHTS
16) VAULT #7, REMOVE

PROJECT WORKSHEET REPORT

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FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

SITE NUMBER 6 - SCOPE OF WORK

AND REPLACE ONE (1) 240 VOLT/ 60 AMP DISCONNECT SWITCH
17) VAULT #7, REMOVE AND REPLACE ONE (1) 400 AMP, 18 CIRCUIT ELECTRICAL PANEL
18) VAULT #7 TO PICNIC AREA BUILDING - REMOVE AND REPLACE 4-#4/0 AWG WIRE, (EST. 800')
19) VAULT #7, REMOVE AND REPLACE THREE (3) 30" X 30" X 8" JUNCTION BOXES
20) VAULT #7 TO TENNIS COURT - REMOVE AND REPLACE 4-#4/0 AWG WIRE, (EST. 500')
21) TENNIS COURT - ONE (1) 277/480 V, 225 A LIGHTING CONTROL PANEL/CABINET.
22) TENNIS COURT LIGHTING WIRE - REMOVE AND REPLACE 4-#4 AWG WIRE, (EST. 4000')
23) TENNIS COURT LIGHTING WIRE - REMOVE AND REPLACE 4-#6 AWG WIRE, (EST. 4000')
24) TENNIS COURT LIGHTING WIRE - REMOVE AND REPLACE 4-#8 AWG WIRE, (EST. 4000')
25) WASH 9,000 SF INTERIOR AND EXTERIOR MASONRY WALLS OF THE FIVE (5) VAULTS
26) PAINT 9,000 SF INTERIOR AND EXTERIOR MASONRY WALLS OF THE FIVE (5) VAULTS
27) REMOVE AND REPLACE FIVE (5) HOLLOW STEEL DOORS INCLUDING HARDWARE
28) PAINT FIVE (5) HOLLOW STEEL DOORS
29) REMOVE AND REPLACE FIVE (5) LOCKSETS

WIND DAMAGE:
30) REMOVE AND REPLACE ONE (1) 30' CONCRETE STREET LIGHT POLE
31) REMOVE AND REPLACE TWENTY ONE (21) 70 WATT HIGH PRESSURE SODIUM STREET LIGHT FIXTURE
32) RE-ALIGN THIRTY (30) STREET LIGHT POLES
33) REPLACE TWENTY (20) STREET SIGNS

WORK COMPLETED:

WORK TO BE COMPLETED:
FLOODING DAMAGE: $75,517.00
WIND DAMAGE: $ 46,505.00
TOTAL: $122,022.00

PROJECT WORKSHEET REPORT

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INF TYPE ○ INF ● NON-INF ○ REC

SITE NUMBER 7 of 7

FACILITY NAME JOE BROWN - AUDUBON NATURE PRESERVE- **Latitude** 30.02811

ADDRESS 5601 READ BLVD. **Longitude** -89.9684

CITY ORLEANS PARISH **STATE** LA **ZIP** 70127

Check if this site will have mitigation work done on it: ☐ Was this site previously damaged? ○ Yes ○ No ○ Unsure

SITE NUMBER 7 - LOCATION

5601 READ BLVD.
PARK IS LOCATED WITHIN THE QUADRANT BETWEEN READ BLVD, LAKE FOREST BLVD, DWYER RD., AND WRIGHT RD.

SITE NUMBER 7 - DAMAGE DIMENSIONS AND DESCRIPTION

FACILITY SUSTAINED FLOOD DAMAGE
ORIGINAL DAMAGES WRITTEN IN THE FOLLOWING PWS; PW #6758V0, VERSION 1, VERSION2, VERSION3, VERSION4
THE FLOOD WATERS REMAINED IN THE PARK FOR AN EXTENDED PERIOD, CAUSING SEVERE DAMAGE TO THE PERIMETER FENCE WHICH SURROUNDS THE PARK AND THE ADJACENT NATURE PRESERVE, A FACILITY LEASED TO THE AUDUBON COMMISSION.
MORE THAN 50% OF THE FENCE WAS DESTROYED BY THE FORCE OF MOVING FLOOD WATERS AND WIND. THE PARTS THAT WERE LEFT STANDING SUFFERED SEVERE CORROSION AND STAINING FROM THE STANDING WATER.
THE PERIMETER CHAIN LINK FENCE THAT SURROUNDS THE PARK AND THE ADJACENT NATURE PRESERVE CENTER (A FACILITY LEASED TO THE AUDUBON COMMISSION) WAS SEVERELY DAMAGED

6,600 LINEAR FEET X 6' FOOT HIGH CHAIN LINK FENCE
8,400' LINEAR FEET X 6' HIGH CHAIN LINK FENCE WITH BARB WIRE
TWO (2) 6' FOOT HIGH X 20' WIDE SINGE SWING CHAIN LINK GATES
FIVE (5) STEEL FRAME ENTRANCE GATES WERE BADLY STAINED BY FLOOD WATER

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PREPARED DATE 06/26/2008
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SITE NUMBER 7 - SCOPE OF WORK

NO REPAIRS DONE AS OF YET

REPLACEMENT OF FENCE DIMENSION: 15,000 FEET LONG 6 FEET HIGH GALVANIZED CHAIN LINK FENCE 3
REMOVE 15,000 LINEAR FEET X 6'H DAMAGED FENCE
REPLACE 6,600 LINEAR FEET X 6' FOOT HIGH CHAIN LINK FENCE
REPLACE 8,400' LINEAR FEET X 6' HIGH CHAIN LINK FENCE WITH BARB WIRE
REPLACE TWO (2) 6' FOOT HIGH X 20' WIDE SINGE SWING CHAIN LINK GATES
REPLACE FIVE (5) STEEL FRAME ENTRANCE GATES (FRONT AND BACK) 480 SFS
#4C WHAT ARE THE COST OF THE DAMAGE REPAIRS? (ITEM/QUANTITY/COST)

WORK COMPLETED:

WORK TO BE COMPLETED:
FLOODING DAMAGE: $213,144.80
WIND DAMAGE: $ 0.00
TOTAL: $213,144.80

COST ESTIMATE

ITEM	VSN	CODE	MATERIAL AND/OR DESCRIPTION	UOM	QTY	UNIT PRICE	COST
1	0	9000	FLOOD DAMAGE SITE 1 - 7	LS	1	$1,129,754.96	$1,129,754.96
2	0	9000	WIND DAMAGE SITE 1 - 7	LS	1	$217,566.00	$217,566.00
3	0	0909	HAZARD MITIGATION PROPOSAL	LS	1	$32,319.65	$32,319.65
4	0	5902	MANDATORY NFIP REDUCTION -AS CALCULATED	LS	1	$-364,195.00	($364,195.00)
5	0	5901	DEDUCT ANTICIPATED INSURANCE PROCEEDS: WIND	LS	1	$-25,688.00	($25,688.00)
6	1	0000	**********VERSION 1**********	LS	1	$.00	$0.00
7	1	0000	WORK TO BE COMPLETED	LS	1	$.00	$0.00
8	1	9999	DE-OBLIGATION OF PREVIOUSLY FUNDED PROJECT MANAGEMENT WIND	LS	1	$-10,903.00	($10,903.00)
9	1	9999	DE-OBLIGATION OF PREVIOUSLY FUNDED PROJECT MANAGEMENT FLOOD	LS	1	$-48,574.00	($48,574.00)
10	2	0000	**********VERSION 2**********	LS	1	$.00	$0.00
11	2	0000	WORK TO BE COMPLETED	LS	1	$.00	$0.00

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COST ESTIMATE

ITEM	VSN	CODE	MATERIAL AND/OR DESCRIPTION	UOM	QTY	UNIT PRICE	COST
12	2	9999	VERSION 2	LS	1	$17,200.00	$17,200.00

Eligible Amounts:	**Total (this version)**	$17,200.00
	Total Oblig To Date	$930,280.61
	Unobligated + Obligated	$947,480.61
	Federal Share for Obligated and Unobligated	$947,480.61

SPECIAL CONSIDERATIONS

1 Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment,vehicles,etc.)? ● Yes ○ No ○ Unsure

COMMENTS : 04/16/2009 19:09:05 THE STATUS OF INSURANCE IS ON FILE AT THE JFO IN BATON ROUGE, LA

2 Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland? ● Yes ○ No ○ Unsure

COMMENTS : 04/16/2009 19:09:05 PONDING AREA 22, ZONE A-4 FIRM PANEL 115 OF 185, COMMUNITY PANEL NUMBER 225203 0115E. MAP REVISED: MARCH 1, 1984

COMMENTS : 04/16/2009 19:09:05 10/07/2008 - VERSION 1 - A REVIEW OF VERSION "1" OF THIS PW WAS CONDUCTED ON THIS DATE. BASED ON THE INFORMATION CONTAINED THEREIN, THE FLOODPLAIN RECOMMENDATIONS IDENTIFIED IN VERSION "0" ON 06/26/08, ARE UNCHANGED AND AS SUCH, ARE APPLICABLE TO THIS VERSION. VERSION "1" IS FOR DEOBLIGATION OF FUNDS. NO FURTHER FLOODPLAIN REVIEW WILL BE FORTHCOMING UNLESS THERE SHOULD BE A CHANGE IN THE SCOPE OF WORK. JEFF SAMPLE, CFM, FLOODPLAIN SPECIALIST.

COMMENTS : 04/16/2009 19:09:05 06/26/08 - THE CITY OF NEW ORLEANS/ORLEANS PARISH ENROLLED IN THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) AS OF 8/3/70. PER FLOOD INSURANCE RATE MAP (FIRM) PANEL NUMBER 2252030115 E, DATED 03/01/84. BUILDING IS LOCATED WITHIN AN "A4" ZONE, AREA OF 100-YR FLOODING, BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS AS DETERMINED. PER ORLEANS PARISH ADVISORY BASE FLOOD ELEVATION (ABFE) MAP LA-FF34, DATED 6/5/06. PROJECT IS LOCATED IN AN "ABFE EL -4 FEET OR 3 FEET ABOVE HIGHEST EXISTING ADJACENT GRADE (HEAG)." PROJECT IS REPAIR OF BUILDING AND REPLACEMENT OF EQUIPMENT AND COMPONENTS TO PRE-DIASTER FUNCTION AND CAPACITY. APPLICANT IS REQUIRED TO COORDINATE WITH THE LOCAL FLOODPLAIN ADMINISTRATOR REGARDING FLOODPLAIN PERMIT(S) PRIOR TO THE START OF ANY ACTIVITIES. PER 44 CFR 9.11 (D) (9), REPLACEMENT OF THE BUILDING, CONTENTS, MATERIAL AND EQUIPMENT, SHOULD BE, WHERE POSSIBLE, RELOCATED OUTSIDE OR ABOVE THE ADVISORY BASE FLOOD ELEVATION. IN COMPLIANCE WITH EO11988, AN 8-STEP PROCESS, SHOWING CONSIDERED ALTERNATIVES, WAS COMPLETED AND IS ATTACHED. PER 44 CFR 9.12, A CUMULATIVE FINAL PUBLIC NOTICE WAS PUBLISHED ON 10/26/07 & 11/2/07 AND IS ATTACHED. JUNE R. GRIFFIN, FPM SPECIALIST.

3 Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area? ○ Yes ● No ○ Unsure

4 Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity,use or function)? ○ Yes ● No ○ Unsure

COMMENTS : 04/16/2009 19:09:05 7/18/2008 - VERSION 0 - THE 406 HAZARD MITIGATION PROPOSAL (HMP) IS CONSIDERED COST EFFECTIVE IN ACCORDANCE WITH FEMA RESPONSE AND RECOVERY DIRECTORATE POLICY 9526.1. W. GOFORTH. 406 MITIGATION REVIEWER

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603 **PREPARED DATE** 06/26/2008

FIPS NO. 071-55000-00 **REPORT DATE** 04/16/2009 14:36

APPLICANT NAME NEW ORLEANS, CITY OF **INF TYPE** ○ INF

SUBDIVISION ● NON-INF

FEMA PW # 18072 **VSN** 2 **REF#** 18072V2 ○ REC

SPECIAL CONSIDERATIONS

5 Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal? ○ Yes ● No ○ Unsure

COMMENTS : 04/16/2009 19:09:05 10/16/2008 - VERSION 1 - HAZARD MITIGATION IS NOT APPLICABLE FOR THE DEOBLIGATION OF THE PROJECT MANAGEMENT FEES. SUSAN HARP, 406 MITIGATION SPECIALIST

COMMENTS : 04/16/2009 19:09:05 7/18/2008 - VERSION 0 - THE 406 HAZARD MITIGATION PROPOSAL (HMP) IS CONSIDERED COST EFFECTIVE IN ACCORDANCE WITH FEMA RESPONSE AND RECOVERY DIRECTORATE POLICY 9526.1. W. GOFORTH. 406 MITIGATION REVIEWER

6 Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more,similar buildings near the site? ○ Yes ● No ○ Unsure

7 Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland? ○ Yes ● No ○ Unsure

8 Are there any hazardous materials at or adjacent to the damaged facility and/or item of work? ○ Yes ● No ○ Unsure

9 Are there any other environmental or controversial issues associated with the damaged facility and/or item of work? ○ Yes ● No ○ Unsure

EXISTING INSURANCE

Insurance Type	Policy No.	Bldg/Property Amount	Content Amt	Insurance Amount	Deductible Amount
Flood	UNINSURED	$.00	$.00	$.00	$.00
Yrs Rqd :					
General	D35893714002	$50,000,000.00	$.00	$.00	$.00
Yrs Rqd :					

REQUIRED INSURANCE

Insurance Type	Policy No.	Bldg/Property Amt	Bldg/Prprty Duration	Content Amt	Content Duration	Insurance Amt
General	BUILDINGS VARIOUS	$195,835.00		$.00		$.00
Deductible Amt :	$.00					
Flood	BUILDINGS (MAINTENAN	$455,754.00		$.00		$.00
Deductible Amt :	$.00					
Flood	BUILDING (CONCESSION	$107,363.00		$.00		$.00
Deductible Amt :	$.00					

PROJECT WORKSHEET REPORT

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SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

FLOODPLAIN

Applicant Type (A) Building/Structure

1. Is the project in a Wetland (Swamp,marsh,etc.)? (B) No **STEP 1**

2. Is the project on a FIA/FEMA map? Yes **Map No.** 2252030115 E

3. Total PW estimated cost of restoration (C) 0 - 49%

4. Has this project been damaged by flooding previously? (D) Unknown **Location** 100-year Floodplain

Has a flood insurance payment(s) ever been received? **When?**

5. Land Use Upstream Urban (Developed)

5. Land Use Downstream Urban (Developed)

6. Recommendation Restore Facility w/MT

Federal Inspector JUNE R. GRIFFIN **Date** 06/26/2008 00:00:00

7. Justification For Floodway or Coastal High Hazard Area Location (E) Functionally Dependent Use

8. Initial Notice Determination **Step 2** Cumulative

(A) Degree of Public Need Useful

(B) No. of Individuals Affected > 5000

	Repair/Replacement	Relocate	No FEMA Action
(C) Potential for Controversy	Nc	Yes	Yes
(D) Potential Impact	No	Yes	Yes

9. Are the following alternatives feasible? (Base your decision on the considerations listed below)

(A) Engineering Restore w/ MT **(C) Economic Aspects** **(E) Legal Constraints**

STEP 3

	1	2	3	4	5	6
Minimize danger to lives	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N
Minimize damage to facility	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N
Minimize damage elsewhere	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N
Reduce support of floodplain or wetland	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N
Restore floodplain values	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N
Maintain or improve economic resources	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N
Maintain or improve social resources	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N	○ Y ● N

10. Feasible Alternatives that will minimize adverse impacts

- ☐ 1. Relocated outside the base floodplain
- ☑ 2. Restore w/ MT
- ☐ 3. Transfer function to another facility
- ☐ 4. Reduce scope of work
- ☐ 5. Restore w/o MT
- ☐ 6. No action (Disapprove project)
- ☐ 7. Suspend for further investigation

11. Re-evaluate the alternatives. Select the number of the chosen alternative from STEP 3. If none, select "None" and indicate suspension in STEP 8 with a "7". **STEP 6** 2

12. Final Notice Determination

First check if any of the following apply :

- ☐ Critical Action
- ☑ PW > $100,000

PROJECT WORKSHEET REPORT

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PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

- ☐ [illegible]
- ☐ Repair is substantial improvement
- ☐ Previously damaged in declared flooded disaster
- ☐ Located in floodway or coastal high hazard area
- ☐ An individual first notice was issued
- ☐ Past flood insurance payment(s)

STEP 7
Cumulative Final Notice

FEMA Reviewer
GRIFFIN, JUNE

Date
06/26/2008 00:00:00

STEP 8
○ 1 ● 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7

PROJECT WORKSHEET REPORT

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ENVIRONMENTAL - All Environmental Review is complete. Project must be implemented in accordance with conditions list below.

Laws/EOs	Status
Coastal Barriers Resources Act (CBRA)	Not Applicable
Clean Water Act (CWA)	Completed

08/11/2008 THE APPLICANT IS RESPONSIBLE FOR COORDINATING WITH AND OBTAINING ANY REQUIRED SECTION 401 AND SECTION 404 PERMITS(S) FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) PRIOR TO INITIATING WORK. ALL COORDINATION PERTAINING TO THESE ACTIVITIES SHOULD BE DOCUMENTED AND COPIES FORWARDED TO THE STATE AND FEMA AS PART OF THE PERMANENT PROJECT FILES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008- IF REQUIRED BY LDEQ, THE APPLICANT SHALL REQUIRE ITS CONTRACTOR TO PREPARE, CERTIFY, AND IMPLEMENT A CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN TO PREVENT SEDIMENT AND CONSTRUCTION MATERIAL TRANSPORT FROM THE PROJECT SITE (A LOUISIANA POLLUTION DISCHARGE ELIMINATION SYSTEM (LAPDES) PERMIT WILL BE REQUIRED IN ACCORDANCE WITH THE CLEAN WATER ACT AND THE LOUISIANA CLEAN WATER CODE. ALL COORDINATION PERTAINING TO THESE ACTIVITIES SHOULD BE DOCUMENTED AND COPIES FORWARDED TO THE STATE AND FEMA AS PART OF THE PERMANENT PROJECT FILES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

Coastal Zone Management Act (CZMA) — Completed

08/11/2008 THIS PROJECT IS LOCATED WITHIN THE LOUISIANA COASTAL MANAGEMENT ZONE. APPLICANT MUST CHECK WITH LOUISIANA DEPARTMENT OF NATURAL RESOURCES FOR PERMITTING OR OTHER AUTHORIZATION REQUIREMENTS. PROJECTS MAY BE COORDINATED BY CONTACTING LDNR AT 1-800-267-4019. M. SIBLEY, ENVIRONMENTAL SPECIALIST

Endangered Species Act (ESA) — Completed

08/11/2008. PROJECT WILL HAVE NO AFFECT ON ENDANGERED SPECIES. NO FURTHER CONSULTATION REQUIRED. M. SIBLEY, ENVIRONMENTAL SPECIALIST

Fish and Wildlife Coordination Act (FWCA) — Not Applicable

National Historic Preservation Act (NHPA) — Completed

7/30/2008 SITE 1 (MAINTENANCE BUILDING; SHELTERS 1 AND 2); SITE 3 (SHELTER/CONCESSION BUILDING) AND SITE 6 (ELECTRICAL VAULTS) ALL CONSIST OF BUILDINGS THAT ARE NOT 45 YEARS OR OLDER, THEREFORE THESE PROJECTS, REGARDING REPAIRS TO STRUCTURES AT JOE BROWN MEMORIAL PARK, DO NOT HAVE THE POTENTIAL TO CAUSE EFFECTS ON HISTORIC RESOURCES. THE SCOPE OF WORK INDICATES GROUND DISTURBING ACTIVITIES ASSOCIATED WITH REMOVAL AND REPLACEMENT OF UTLITY POLES, CHAIN LINK FENCE, GATES, CONCRETE SIDEWALKS, CONCRETE PEDESTRIAN BRIDGES, AND AN ASPHAULT BIKE TRAIL. UPON CONSULTATION OF DATA PROVIDED BY THE STATE HISTORIC PRESERVATION OFFICER (SHPO), THERE ARE NO KNOWN ARCHAEOLOGICAL SITES WITHIN .5 MILES OF THE PROJECT AREA AND ALL WORK WILL OCCUR WITHIN A PREVIOUSLY DISTURBED AREA. ADDITIONALLY, THE PROJECT AREA IS IN A LOW PROBABILITY ZONE FOR ARCHAEOLOGICAL SITES WITH NO DOCUMENTED HISTORIC SETTLEMENTS. THE SCOPE OF WORK AS SUBMITTED MEETS THE CRITERIA OUTLINED IN THE PROGRAMMATIC AGREEMENT DATED DECEMBER 3, 2004, APPENDIX A, SECTION I, A, E, AND D AND SECTION V, A. IN ACCORDANCE WITH THIS DOCUMENT, FEMA IS NOT REQUIRED TO SUBMIT PROJECTS TO THE SHPO FOR REVIEW WHERE THE WORK PERFORMED MEETS THESE ALLOWANCES. ANY CHANGE TO THE APPROVED SCOPE OF WORK WILL REQUIRE RESUBMISSION FOR RE-EVALUATION UNDER SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT PRIOR TO CONSTRUCTION ACTIVITIES. FAILURE TO COMPLY WITH THESE STIPULATIONS MAY JEOPARDIZE RECEIPT OF FEDERAL FUNDING. -- V. BYRD, HISTORIC PRESERVATION SPECIALIST AND H. BROWNING, HISTORIC PRESERVATION SPECIALIST/ARCHAEOLOGIST

Clean Air Act (CAA) — Completed

08/11/2008 APPLICANT SHOULD ENSURE THAT BEST MANAGEMENT PRACTICES ARE TAKEN TO MINIMIZE THE GENERATION OF FUGITIVE DUST DURING CONSTRUCTION ACTIVITIES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008 - PER CLEAN AIR ACT NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANT REGULATIONS AND LOUISIANA ADMINISTRATIVE CODE 33:III 5151, DEMOLITION ACTIVITIES RELATED TO POSSIBLE ASBESTOS-CONTAINING MATERIALS (PACM) MUST BE INSPECTED FOR ACM/PACM WHERE IT IS SAFE TO DO SO. ACM/PACM MUST BE HANDLED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AND DISPOSED OF AT APPROVED FACILITIES THAT ACCEPT ACM. DEMOLITION ACTIVITY NOTIFICATION MUST BE SENT TO THE LDEQ BEFORE WORK BEGINS. M. SIBLEY, ENVIRONMENTAL SPECIALIST

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
FIPS NO. 071-55000-00
APPLICANT NAME NEW ORLEANS, CITY OF
SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
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INF TYPE ○ INF ● NON-INF ○ REC

Laws/EOs	Status
OTHER (enter specifics in related conditions section)	Completed

08/11/2008 - IN ACCORDANCE WITH THE FORMOSAN TERMITE INITIATIVE ACT, (LA R.S. 3:3391.1 THRU 3391.13) THE PARISH OF (ORLEANS) IS UNDER QUARANTINE. THE MOVEMENT OF WOOD OR CELLULOSE MATERIAL, TEMPORARY HOUSING OR ARCHITECTURAL COMPONENTS) MAY NOT LEAVE THE QUARANTINED PARISH WITHOUT WRITTEN AUTHORIZATION FROM THE COMMISSIONER OF THE LOUISIANA DEPARTMENT OF AGRICULTURE AND FORESTRY OR HIS DESIGNEE(S). M. SIBLEY, ENVIRONMENTAL SPECIALIST

Resource Conservation and Recovery Act, aka Solid Waste Disposal Act (RCRA) — Completed

08/11/2008 THE RENOVATION ACTIVITIES ASSOCIATED WITH THIS PROJECT MAY RESULT IN VARIOUS TYPES OF DEBRIS AND WASTES, SOME OF WHICH MAY BE HAZARDOUS. THEREFORE, ALL DEBRIS AND WASTE MUST BE TREATED, STORED, AND DISPOSED OF IN A PROPER MANNER AND LOCATION. APPLICANT IS RESPONSIBLE TO ENSURE POTENTIAL HAZARDOUS MATERIALS, IF ANY, SHALL BE REMOVED, HANDLED, TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL COMPLIANCE REQUIREMENTS. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008. THIS PROJECT INVOLVES THE DEMOLITION OF A PUBLIC STRUCTURE THAT MAY CONTAIN SURFACES COATED WITH LEAD-BASED PAINT (LBP). THE APPLICANT IS RESPONSIBLE COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND ENSURING THAT PROJECT ACTIVITIES ARE COORDINATED WITH THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY FOR ABATEMENT ACTIVITIES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

MERCURY CONTAINING DEVICES
08/11/2008 - THIS PROJECT POTENTIALLY INVOLVES THE DISPOSAL OF METALLIC MERCURY CONTAINING ELECTRONIC DEVICES. THE APPLICANT IS RESPONSIBLE FOR ENSURING THAT THESE DEVICES ARE RECOVERED, RECYCLED, REUSED OR SEQUESTERED IN ACCORDANCE WITH THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ) "DECLARATION OF EMERGENCY; MERCURY-CONTAINING DEVICES AND ELECTRONIC EQUIPMENT AS UNIVERSAL WASTE" LETTER DATED OCTOBER 3, 2005. M. SIBLEY, ENVIRONMENTAL SPECIALIST

E.O. 11988: Floodplains — Completed

06/26/08 - THE CITY OF NEW ORLEANS/ORLEANS PARISH ENROLLED IN THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) AS OF 8/3/70. PER FLOOD INSURANCE RATE MAP (FIRM) PANEL NUMBER 2252030115 E, DATED 03/01/84. BUILDING IS LOCATED WITHIN AN "A4" ZONE, AREA OF 100-YR FLOODING, BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS AS DETERMINED. PER ORLEANS PARISH ADVISORY BASE FLOOD ELEVATION (ABFE) MAP LA-FF34, DATED 6/5/06. PROJECT IS LOCATED IN AN "ABFE EL -4 FEET OR 3 FEET ABOVE HIGHEST EXISTING ADJACENT GRADE (HEAG)." PROJECT IS REPAIR OF BUILDING AND REPLACEMENT OF EQUIPMENT AND COMPONENTS TO PRE-DIASTER FUNCTION AND CAPACITY. APPLICANT IS REQUIRED TO COORDINATE WITH THE LOCAL FLOODPLAIN ADMINISTRATOR REGARDING FLOODPLAIN PERMIT(S) PRIOR TO THE START OF ANY ACTIVITIES. PER 44 CFR 9.11 (D) (9), REPLACEMENT OF THE BUILDING, CONTENTS, MATERIAL AND EQUIPMENT, SHOULD BE, WHERE POSSIBLE, RELOCATED OUTSIDE OR ABOVE THE ADVISORY BASE FLOOD ELEVATION. IN COMPLIANCE WITH EO11988, AN 8-STEP PROCESS, SHOWING CONSIDERED ALTERNATIVES, WAS COMPLETED AND IS ATTACHED. PER 44 CFR 9.12, A CUMULATIVE FINAL PUBLIC NOTICE WAS PUBLISHED ON 10/26/07 & 11/2/07 AND IS ATTACHED. JUNE R. GRIFFIN, FPM SPECIALIST.

E.O. 11990: Wetlands — Not Applicable

E.O. 12898: Environmental Justice for Low Income and Minority Populations — Not Applicable

NEPA Level of Review - NEPA review is complete. - LPAYNES1 - The project is Categorically Excluded under 44 CFR 10.8(d):

15. Repair, replace, restore, retrofit, upgrade to current codes and standards, or replace a facility (xv)
16. Improvements to existing facilities and the construction of small scale hazard mitigation measures (xvi)
20. Programmatic or Other Categorical Exclusion

Documentation Complete 08/11/2008

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
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FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

Required Conditions Resulting from Environmental Review

Law Name	Conditions Required	Entered By	Monitoring Required	Monitoring Completed Date	By
National Historic Preservation Act (NHPA)		HBROWNIN	☐	00/00/0000	

CONDITIONS: IF DURING THE COURSE OF WORK, ARCHAEOLOGICAL ARTIFACTS (PREHISTORIC OR HISTORIC) OR HUMAN REMAINS ARE DISCOVERED, THE APPLICANT SHALL STOP WORK IN THE VICINITY OF THE DISCOVERY AND TAKE ALL REASONABLE MEASURES TO AVOID OR MINIMIZE HARM TO THE FINDS. THE APPLICANT SHALL INFORM THEIR PUBLIC ASSISTANCE (PA) CONTACTS AT FEMA, WHO WILL IN TURN CONTACT FEMA HISTORIC PRESERVATION STAFF. THE APPLICANT WILL NOT PROCEED WITH WORK UNTIL FEMA HISTORIC PRESERVATION STAFF HAVE COMPLETED CONSULTATION WITH THE LOUISIANA STATE HISTORIC PRESERVATION OFFICER (SHPO). IN ADDITION, IF UNMARKED GRAVES ARE PRESENT, COMPLIANCE WITH THE LOUISIANA UNMARKED HUMAN BURIAL SITES PRESERVATION ACT (R.S. 8:671 ET SEQ.) IS REQUIRED. THE APPLICANT SHALL NOTIFY THE LAW ENFORCEMENT AGENCY OF THE JURISDICTION WHERE THE REMAINS ARE LOCATED WITHIN TWENTY-FOUR HOURS OF THE DISCOVERY. THE APPLICANT SHALL ALSO NOTIFY FEMA AND THE LOUISIANA UNMARKED BURIAL SITES BOARD (CALL THE LOUISIANA DIVISION OF ARCHEOLOGY AT 225-342-8170) WITHIN SEVENTY-TWO HOURS OF THE DISCOVERY. FAILURE TO COMPLY WITH THESE STIPULATIONS MAY JEOPARDIZE RECEIPT OF FEMA FUNDING. ? HANAN BROWNING, HISTORIC PRESERVATION SPECIALIST/ARCHAEOLOGIST

Standard Conditions

1. Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.

2. This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

3. If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

PROJECT WORKSHEET REPORT

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MITIGATION

Check here if effective mitigation is feasible on this project: ☑
Check here if mitigation will be performed on any sites in this project: ☑

☑ Mitigation Policy
☑ 15%

Hazard Mitigation Proposal

Check here if you would like to automatically include estimate as a line item on the project ☑

Scope of Work

**********SEE SCAN DOCUMENTATION FOR DETAIL HMP (SITES)**********

ITEM	CODE	MATERIAL AND/OR DESCRIPTION	UOM	QTY	UNIT PRICE	COST
9999	9999	SITE 1: MAINT. BLDG SHELTERS 1&2 TENNIS CON	LS	1	$16,728.60	$16,728.60
9999	9999	SITE 3: SHELTER-CONCESSION BLDG.	LS	1	$4,889.00	$4,889.00
9999	9999	SITE 4: HOCKEY RINK & ROPES COURSE	LS	1	$2,820.00	$2,820.00
9999	9999	SITE 6: ELECTRICAL	LS	1	$7,882.05	$7,882.05
					Total	$32,319.65

PROJECT WORKSHEET REPORT

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GENERAL COMMENTS

06/12/2008 - THE FEMA PUBLIC ASSISTANCE PROGRAM IS A COST REIMBURSEMENT PROGRAM. THE FOLLOWING STEPS DESCRIBE THE PROCESS FOR PROJECT WORKSHEETS AND FUNDING PLUS THE RESPONSIBILITY OF EACH PARTY.

FEMA AND SUBGRANTEE IDENTIFY AND DESCRIBE A SCOPE OF ELIGIBLE WORK ON PROJECT WORKSHEETS.
"I COSTS CAN BE ACTUAL, OR
"□COSTS CAN BE ESTIMATED FOR EXPENSES PROJECTED FOR A SPECIFIED PERIOD OF TIME OR A LARGE PROJECT REQUIRING SEVERAL YEARS TO REBUILD, OR
"T COSTS CAN BE A COMBINATION OF ACTUAL AND ESTIMATED.
"□PW COSTS ARE BASED ON BEST AVAILABLE INFORMATION AT THE TIME AND DO NOT REPRESENT AUDITABLE COSTS AT THIS TIME.

SUBGRANTEE SUBMITS A REQUEST TO THE GRANTEE FOR REIMBURSEMENT OF EXPENSES AND TO DRAW DOWN THE FUNDS FOR WORK COMPLETED ON A SPECIFIC PW SUPPORTED WITH DOCUMENTATION REQUIRED BY GRANTEE.

SUBGRANTEE COMPLETES WORK AND REQUESTS GRANTEE FOR CLOSEOUT OF PROJECT WORKSHEET. RECORDS MUST BE AUDITABLE AND RETAINED FOR THREE YEARS AFTER CLOSEOUT OF THE SUB-GRANTEE.

GRANTEE CERTIFIES (AUDITS) WORK AND COSTS. RECORDS MUST BE AUDITABLE BY THE GRANTEE. GRANTEE RELEASES BALANCE OF FUNDS IF APPROVED.

FEMA OBLIGATES MORE FUNDS IF APPROVED OR DE-OBLIGATES ACCORDING TO REVIEW OF GRANTEE AUDIT.

FEMA WILL ADJUST FUNDING ON ALL LARGE PROJECTS BASED ON THE ACTUAL ELIGIBLE COSTS INCURRED. A FINAL INSPECTION AND PROGRAM REVIEW WILL DETERMINE AND VALIDATE THE APPROPRIATE ELIGIBILITY AND ASSOCIATED COSTS INCURRED.

BACK UP MATERIAL ATTACHED
TA 6-12-08

06-24-08 INSURANCE REVIEW: PW PLACED ON HOLD FOR COST CLARIFICATION. L.WRIGHT/ INSURANCE

06/26/08 - THE CITY OF NEW ORLEANS/ORLEANS PARISH ENROLLED IN THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) AS OF 8/3/70. PER FLOOD INSURANCE RATE MAP (FIRM) PANEL NUMBER 2252030115 E, DATED 03/01/84. BUILDING IS LOCATED WITHIN AN "A4" ZONE, AREA OF 100-YR FLOODING, BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS AS DETERMINED. PER ORLEANS PARISH ADVISORY BASE FLOOD ELEVATION (ABFE)

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
FIPS NO. 071-55000-00
APPLICANT NAME NEW ORLEANS, CITY OF
SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

GENERAL COMMENTS

MAP LA-FF34, DATED 6/5/06. PROJECT IS LOCATED IN AN "ABFE EL -4 FEET OR 3 FEET ABOVE HIGHEST EXISTING ADJACENT GRADE (HEAG)." PROJECT IS REPAIR OF BUILDING AND REPLACEMENT OF EQUIPMENT AND COMPONENTS TO PRE-DIASTER FUNCTION AND CAPACITY. APPLICANT IS REQUIRED TO COORDINATE WITH THE LOCAL FLOODPLAIN ADMINISTRATOR REGARDING FLOODPLAIN PERMIT(S) PRIOR TO THE START OF ANY ACTIVITIES. PER 44 CFR 9.11 (D) (9), REPLACEMENT OF THE BUILDING, CONTENTS, MATERIAL AND EQUIPMENT, SHOULD BE, WHERE POSSIBLE, RELOCATED OUTSIDE OR ABOVE THE ADVISORY BASE FLOOD ELEVATION. IN COMPLIANCE WITH EO11988, AN 8-STEP PROCESS, SHOWING CONSIDERED ALTERNATIVES, WAS COMPLETED AND IS ATTACHED. PER 44 CFR 9.12, A CUMULATIVE FINAL PUBLIC NOTICE WAS PUBLISHED ON 10/26/07 & 11/2/07 AND IS ATTACHED. JUNE R. GRIFFIN, FPM SPECIALIST.

7/18/2008 - VERSION 0 - THE 406 HAZARD MITIGATION PROPOSAL (HMP) IS CONSIDERED COST EFFECTIVE IN ACCORDANCE WITH FEMA RESPONSE AND RECOVERY DIRECTORATE POLICY 9526.1. W. GOFORTH. 406 MITIGATION REVIEWER

7/21/08- ON HOLD PENDING HP. MS, ES

7/30/2008 SITE 1 (MAINTENANCE BUILDING; SHELTERS 1 AND 2); SITE 3 (SHELTER/CONCESSION BUILDING) AND SITE 6 (ELECTRICAL VAULTS) ALL CONSIST OF BUILDINGS THAT ARE NOT 45 YEARS OR OLDER, THEREFORE THESE PROJECTS, REGARDING REPAIRS TO STRUCTURES AT JOE BROWN MEMORIAL PARK, DO NOT HAVE THE POTENTIAL TO CAUSE EFFECTS ON HISTORIC RESOURCES. THE SCOPE OF WORK INDICATES GROUND DISTURBING ACTIVITIES ASSOCIATED WITH REMOVAL AND REPLACEMENT OF UTLITY POLES, CHAIN LINK FENCE, GATES, CONCRETE SIDEWALKS, CONCRETE PEDESTRIAN BRIDGES, AND AN ASPHAULT BIKE TRAIL. UPON CONSULTATION OF DATA PROVIDED BY THE STATE HISTORIC PRESERVATION OFFICER (SHPO), THERE ARE NO KNOWN ARCHAEOLOGICAL SITES WITHIN .5 MILES OF THE PROJECT AREA AND ALL WORK WILL OCCUR WITHIN A PREVIOUSLY DISTURBED AREA. ADDITIONALLY, THE PROJECT AREA IS IN A LOW PROBABILITY ZONE FOR ARCHAEOLOGICAL SITES WITH NO DOCUMENTED HISTORIC SETTLEMENTS. THE SCOPE OF WORK AS SUBMITTED MEETS

THE CRITERIA OUTLINED IN THE PROGRAMMATIC AGREEMENT DATED DECEMBER 3, 2004, APPENDIX A, SECTION I, A, E, AND D AND SECTION V, A. IN ACCORDANCE WITH THIS DOCUMENT, FEMA IS NOT REQUIRED TO SUBMIT PROJECTS TO THE SHPO FOR REVIEW WHERE THE WORK PERFORMED MEETS THESE ALLOWANCES. ANY CHANGE TO THE APPROVED SCOPE OF WORK WILL REQUIRE RESUBMISSION FOR RE-EVALUATION UNDER SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT PRIOR TO CONSTRUCTION ACTIVITIES. FAILURE TO COMPLY WITH THESE STIPULATIONS MAY JEOPARDIZE RECEIPT OF FEDERAL FUNDING. -- V. BYRD, HISTORIC PRESERVATION SPECIALIST AND H. BROWNING, HISTORIC PRESERVATION SPECIALIST/ARCHAEOLOGIST

CONDITIONS: IF DURING THE COURSE OF WORK, ARCHAEOLOGICAL ARTIFACTS (PREHISTORIC OR HISTORIC) OR HUMAN REMAINS ARE DISCOVERED, THE APPLICANT SHALL STOP WORK IN THE VICINITY OF THE DISCOVERY AND TAKE ALL REASONABLE MEASURES TO AVOID OR MINIMIZE HARM TO THE FINDS. THE APPLICANT SHALL INFORM THEIR PUBLIC ASSISTANCE (PA) CONTACTS AT FEMA, WHO WILL IN TURN CONTACT FEMA HISTORIC PRESERVATION STAFF. THE APPLICANT WILL NOT PROCEED WITH WORK UNTIL FEMA HISTORIC PRESERVATION STAFF HAVE COMPLETED CONSULTATION WITH THE LOUISIANA STATE HISTORIC PRESERVATION OFFICER (SHPO). IN ADDITION, IF UNMARKED GRAVES ARE PRESENT, COMPLIANCE WITH THE LOUISIANA UNMARKED HUMAN BURIAL SITES PRESERVATION ACT (R.S. 8:671 ET SEQ.) IS REQUIRED. THE APPLICANT SHALL NOTIFY THE LAW ENFORCEMENT AGENCY OF THE JURISDICTION WHERE THE REMAINS ARE LOCATED WITHIN TWENTY-FOUR HOURS OF THE DISCOVERY. THE APPLICANT SHALL ALSO NOTIFY FEMA AND THE LOUISIANA UNMARKED BURIAL SITES BOARD (CALL THE LOUISIANA DIVISION OF ARCHEOLOGY AT 225-342-8170) WITHIN SEVENTY-TWO HOURS OF THE DISCOVERY. FAILURE TO COMPLY WITH THESE STIPULATIONS MAY JEOPARDIZE RECEIPT OF FEMA FUNDING. ? HANAN BROWNING, HISTORIC PRESERVATION SPECIALIST/ARCHAEOLOGIST

08-08-08 - INSURANCE REVIEW:
THIS IS A ROLL-UP OF SEVEN DE-OBLIGATED PWS WHICH WERE WRITTEN ON SEPARATE FACILITIES AT THE JOE BROWN PARK.

PROJECT WORKSHEET REPORT

DECLARATION NO. FEMA-LA - DR1603
FIPS NO. 071-55000-00
APPLICANT NAME NEW ORLEANS, CITY OF
SUBDIVISION
FEMA PW # 18072 **VSN** 2 **REF#** 18072V2

PREPARED DATE 06/26/2008
REPORT DATE 04/16/2009 14:36
INF TYPE ○ INF ● NON-INF ○ REC

GENERAL COMMENTS

THE DE-OBLIGATED PW'S AND THE RESPECTIVE INSURANCE REDUCTIONS TO BE APPLIED ARE AS FOLLOWS:

□8072□

□□	ORIG PWs	PW WIND□	PW FLOOD□	5901 WIND□	5902 FLOOD
SITE 1 MAINTENANCERE	1971I	70,671.00	O436,653.00	25,688.00	N279,465.29
SITE 2 THREE BASEBALL FIELDS(	D 2398,		195,988.00G,		
SITE 3 SHELTER/CONCESSION	T 9307P	79,385.00	107,363.00 T		84,730.00
SITE 4 HOCEY RINK/ROPES COURSE□	13511□		10,240.51□□		
SITE 5 PARK GROUNDSE	7709		48,154.652 9		
SITE 6 GROUNDS ELECTRICALL	D 139448	45,779.00	75,070.00G,		
SITE 7 FENCES AUDUBON NATURE PRESERVE	6758 C		213,144.80. S		
□I T TOTALS	195,835.00.	1,086,613.96	25,688.00	364,195.29	

THE MANDATORY INSURANCE REDUCTIONS ORIGINALLY CALCULATED WITHIN THE DE-OBLIGATED UNDERLYING PWS ARE BEING APPLIED TO THIS PROJECT AS A SINGLE MANDATORY FLOOD REDUCTION IN THE AMOUNT OF $364,105.29.

ANTICIPATED INSURANCE REDUCTIONS OF $25,688 ARE APPLIED BASED ON THE PORTION OF THE COST TO REPAIR DAMAGES WHICH SHOULD BE COVERED BY APPLICANT'S COMMERCIAL WIND INSURANCE AS INDICATED IN THE ABOVE CHART.

WIND DAMAGE: THE ELIGIBLE COST ESTIMATES FOR THIS PROJECT WORKSHEET HAVE BEEN REDUCED BY THE AMOUNT SHOWN IN COST CODE 5901 (ANTICIPATED INSURANCE PROCEEDS). THIS REDUCTION IS BASED ON A COVERAGE REVIEW OF THE INSURANCE DOCUMENTATION PROVIDED BY THE APPLICANT. THE FINAL CLOSE-OUT ASSISTANCE WILL BE ADJUSTED ON THE BASIS OF THE ACTUAL AMOUNTS RECEIVED BY THE APPLICANT IN THE FINAL INSURANCE SETTLEMENT.

FLOOD DAMAGE: THE FACILITY ADDRESS SHOWN ON THIS PROJECT WORKSHEET IS LOCATED IN A SPECIAL FLOOD HAZARD AREA AS REFLECTED IN THE FLOODPLAIN REVIEW SECTION. PURSUANT TO SECTION 406(D) OF THE STAFFORD ACT, FEMA MUST REDUCE FEDERAL DISASTER ASSISTANCE BY THE MAXIMUM INSURANCE PROCEEDS WHICH WOULD HAVE BEEN REC

EIVED HAD THE BUILDINGS AND CONTENTS BEEN FULLY COVERED BY A STANDARD FLOOD INSURANCE POLICY. THE REQUIRED REDUCTION ON THIS PROJECT WORKSHEET AS SHOWN AS COST CODE 5902 (MANDATORY NFIP REDUCTION) IS BASED ON THE COSTS THAT NFIP WOULD HAVE PAID FOR BUILDING AND/OR CONTENTS COVERAGE, SUBJECT TO THE $500,000 MAXIMUM LIMIT FOR EACH.

INSURANCE APPROVAL OF THIS PROJECT WORKSHEET IS CONTINGENT UPON THE APPLICANT COMPLYING WITH TITLE 44 OF THE CODE OF FEDERAL REGULATIONS (CFR), PARTS 206.252 AND 206.253 WHICH STATES, ASSISTANCE UNDER SECTION 406 OF THE STAFFORD ACT WILL BE APPROVED ONLY ON THE CONDITION THAT INSURANCE IS OBTAINED AND MAINTAINED IN SUCH TYPES AND AMOUNTS AS ARE REASONABLE AND NECESSARY TO PROTECT AGAINST FUTURE LOSS. THE APPLICANT MUST PROVIDE THE LOUISIANA DEPARTMENT OF HOMELAND SECURITY AND EMERGENCY PREPAREDNESS WITH INSURANCE POLICY DOCUMENTATION THAT CONFIRMS THE APPLICANT'S COMPLIANCE WITH SECTION 406 OF THE STAFFORD ACT. L.WRIGHT/ INSURANCE SPECIALIST

NOTE: THE DDD& SOW FOR SITE SEVEN INDICATES 15,000 LF OF FENCING, HOWEVER, A VERSION OF THE UNDERLYING PW 6758 HAD DE-OBLIGATED 8400 LF OF THAT FENCING. THE COST ESTIMATE REFLECTS THE ADJUSTED COSTS. L.WRIGHT/INSURANCE

08/11/2008 THE APPLICANT IS RESPONSIBLE FOR COORDINATING WITH AND OBTAINING ANY REQUIRED SECTION 401 AND SECTION 404 PERMITS(S) FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) PRIOR TO INITIATING WORK. ALL COORDINATION PERTAINING TO THESE ACTIVITIES SHOULD BE DOCUMENTED AND COPIES FORWARDED TO THE STATE AND FEMA AS PART OF THE PERMANENT PROJECT FILES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008- IF REQUIRED BY LDEQ, THE APPLICANT SHALL REQUIRE ITS CONTRACTOR TO PREPARE, CERTIFY, AND IMPLEMENT A CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN TO PREVENT SEDIMENT AND CONSTRUCTION MATERIAL TRANSPORT FROM THE PROJECT SITE (A LOUISIANA POLLUTION DISCHARGE ELIMINATION SYSTEM (LAPDES) PERMIT WILL BE REQUIRED IN ACCORDANCE WITH THE CLEAN WATER ACT AND THE LOUISIANA

PROJECT WORKSHEET REPORT

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PREPARED DATE 06/26/2008
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INF TYPE ○ INF ● NON-INF ○ REC

GENERAL COMMENTS

CLEAN WATER CODE. ALL COORDINATION PERTAINING TO THESE ACTIVITIES SHOULD BE DOCUMENTED AND COPIES FORWARDED TO THE STATE AND FEMA AS PART OF THE PERMANENT PROJECT FILES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008 THIS PROJECT IS LOCATED WITHIN THE LOUISIANA COASTAL MANAGEMENT ZONE. APPLICANT MUST CHECK WITH LOUISIANA DEPARTMENT OF NATURAL RESOURCES FOR PERMITTING OR OTHER AUTHORIZATION REQUIREMENTS. PROJECTS MAY BE COORDINATED BY CONTACTING LDNR AT 1-800-267-4019. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008 APPLICANT SHOULD ENSURE THAT BEST MANAGEMENT PRACTICES ARE TAKEN TO MINIMIZE THE GENERATION OF FUGITIVE DUST DURING CONSTRUCTION ACTIVITIES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008 - PER CLEAN AIR ACT NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANT REGULATIONS AND LOUISIANA ADMINISTRATIVE CODE 33:III 5151, DEMOLITION ACTIVITIES RELATED TO POSSIBLE ASBESTOS-CONTAINING MATERIALS (PACM) MUST BE INSPECTED FOR ACM/PACM WHERE IT IS SAFE TO DO SO. ACM/PACM MUST BE HANDLED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AND DISPOSED OF AT APPROVED FACILITIES THAT ACCEPT ACM. DEMOLITION ACTIVITY NOTIFICATION MUST BE SENT TO THE LDEQ BEFORE WORK BEGINS. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008 THE RENOVATION ACTIVITIES ASSOCIATED WITH THIS PROJECT MAY RESULT IN VARIOUS TYPES OF DEBRIS AND WASTES, SOME OF WHICH MAY BE HAZARDOUS. THEREFORE, ALL DEBRIS AND WASTE MUST BE TREATED, STORED, AND DISPOSED OF IN A PROPER MANNER AND LOCATION. APPLICANT IS RESPONSIBLE TO ENSURE POTENTIAL HAZARDOUS MATERIALS, IF ANY, SHALL BE REMOVED, HANDLED, TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL COMPLIANCE REQUIREMENTS. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008. THIS PROJECT INVOLVES THE DEMOLITION OF A PUBLIC STRUCTURE THAT MAY CONTAIN SURFACES COATED WITH LEAD-BASED PAINT (LBP). THE APPLICANT IS RESPONSIBLE COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND ENSURING THAT PROJECT ACTIVITIES ARE COORDI

NATED WITH THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY FOR ABATEMENT ACTIVITIES. M. SIBLEY, ENVIRONMENTAL SPECIALIST

MERCURY CONTAINING DEVICES
08/11/2008 - THIS PROJECT POTENTIALLY INVOLVES THE DISPOSAL OF METALLIC MERCURY CONTAINING ELECTRONIC DEVICES. THE APPLICANT IS RESPONSIBLE FOR ENSURING THAT THESE DEVICES ARE RECOVERED, RECYCLED, REUSED OR SEQUESTERED IN ACCORDANCE WITH THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ) "DECLARATION OF EMERGENCY; MERCURY-CONTAINING DEVICES AND ELECTRONIC EQUIPMENT AS UNIVERSAL WASTE" LETTER DATED OCTOBER 3, 2005. M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/2008 - IN ACCORDANCE WITH THE FORMOSAN TERMITE INITIATIVE ACT, (LA R.S. 3:3391.1 THRU 3391.13) THE PARISH OF (ORLEANS) IS UNDER QUARANTINE. THE MOVEMENT OF WOOD OR CELLULOSE MATERIAL, TEMPORARY HOUSING OR ARCHITECTURAL COMPONENTS) MAY NOT LEAVE THE QUARANTINED PARISH WITHOUT WRITTEN AUTHORIZATION FROM THE COMMISSIONER OF THE LOUISIANA DEPARTMENT OF AGRICULTURE AND FORESTRY OR HIS DESIGNEE(S). M. SIBLEY, ENVIRONMENTAL SPECIALIST

08/11/08- THIS PROJECT HAS BEEN DETERMINED TO BE CATEGORICALLY EXCLUDED IN ACCORDANCE WITH 44 CFR PART 10.8(D)(2) (XV) & (XVI) UNDER PROGRAMMATIC CATEGORICAL EXCLUSION (PCE) RESTORATION AND/OR IMPROVEMENT OF INTERNAL FACILITY SYSTEMS AND COMPONENTS, AND RESTORATION AND/OR IMPROVEMENT OF EXTERNAL FACILITY SYSTEMS AND COMPONENTS DATED SEPTEMBER 22, 2005, FROM THE NEED TO PREPARE EITHER AN ENVIRONMENTAL IMPACT STATEMENT OR ENVIRONMENTAL ASSESSMENT. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE PCE CONDITIONS AND THE REC BEFORE AND DURING PROJECT IMPLEMENTATION. FAILURE TO COMPLY WITH THESE CONDITIONS MAY JEOPARDIZE FEDERAL ASSISTANCE INCLUDING FUNDING. M.SIBLEY, ENVIRONMENTAL SIBLEY

08/26/08 SUPPORTING DOCUMENTS, INCLUDING THE SUMMARY SHEETS SIGNED AND CERTIFIED BY THE APPLICANT, ARE LOCATED AT THE APPLICANT'S OFFICE AND WILL BE AVAILABLE AT CLOSEOUT OF THE PROJECT. THE BACK UP DATA HAS BEEN REVIEWED BY THE FEMA PROJECT (PO

PROJECT WORKSHEET REPORT

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GENERAL COMMENTS

) AND REPORTED TO BE ACCURATE AND REASONABLE FOR THE ELIGIBLE COSTS SUBMITTED. ANY VARIANCES NOTED WILL BE RECTIFIED AT CLOSEOUT. L. IGERT QA/QC REVIEWER

10/07/2008 - VERSION 1 - A REVIEW OF VERSION "1" OF THIS PW WAS CONDUCTED ON THIS DATE. BASED ON THE INFORMATION CONTAINED THEREIN, THE FLOODPLAIN RECOMMENDATIONS IDENTIFIED IN VERSION "0" ON 06/26/08, ARE UNCHANGED AND AS SUCH, ARE APPLICABLE TO THIS VERSION. VERSION "1" IS FOR DEOBLIGATION OF FUNDS. NO FURTHER FLOODPLAIN REVIEW WILL BE FORTHCOMING UNLESS THERE SHOULD BE A CHANGE IN THE SCOPE OF WORK. JEFF SAMPLE, CFM, FLOODPLAIN SPECIALIST.

10/07/08- THIS VERSION IS FOR DEOBLIGATION OF FUNDS ONLY. ALL PRIOR ENVIRONMENTAL COMMENTS AND CONDITIONS ARE STILL APPLICABLE. ANY CHANGE TO THE SCOPE OF WORK WILL REQUIRE RESUBMISSION FOR RE-EVALUATION FOR COMPLIANCE WITH THE NATIONAL ENVIRONMENTAL POLICY ACT. CATHERINE JONES, ENVIRONMENTAL SPECIALIST

10-07-08 INSURANCE REVIEW VERSION 1:
THIS VERSION TO DE-OBLIGATE PROJECT MANAGEMENT COSTS DOES NOT CHANGE THE ANTICIPATED INSURANCE RECOVERY OR THAT WHICH WOULD HAVE BEEN ANTICIPATED IN THE CASE OF MANDATORY FLOOD REDUCTIONS. FOR THIS REASON, THIS VERSION CARRIES NO INSURANCE IMPLICATIONS. L.WRIGHT/ INSURANCE

10/16/2008 - VERSION 1 - HAZARD MITIGATION IS NOT APPLICABLE FOR THE DEOBLIGATION OF THE PROJECT MANAGEMENT FEES. SUSAN HARP, 406 MITIGATION SPECIALIST

10/24/08 - IN SITE 1, CHANGED THE H1 & H3 PROJECT MANAGEMENT COSTS FOR SITE 3 FOR WIND FROM $5,134.00 TO $6,121.00, AND CHANGED $6944.00 FOR FLOOD TO $8,375.00. REFER TO THE E-MAIL SCANNED IN SENT BY THE PO. L RAMIREZ QA/QC.

PW REQUIRED REVIEWS

REVIEW	REVIEW STATUS	RECOMMENDATION	ASSIGNED REVIEWER	REVIEWER	DATE SUBMITTED	DATE REVIEWED
Initial	Submitted					
Final	Submitted					

18072v2

FEDERAL EMERGENCY MANAGEMENT AGENCY
PROJECT WORKSHEET VERSION 2

O.M.B. No. 3067-0151
Expires April 30, 2001

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 30 minutes. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and submitting the forms. You are not required to respond to this collection of information unless a valid OMB control number is displayed in the upper right corner of the forms. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collection Management, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (3067-0151). **NOTE:** Do not send your completed form to this address.

DECLARATION NO:	PROJECT NO.	FIPS NO.	DATE	CATEGORY
FEMA- 1603 -DR- LA	18072v2	071-55000-00	01/08/09	E

DAMAGE FACILITY	WORK COMPLETE AS OF:
Joe Brown Park	1/08/09 : 0 %

APPLICANT	COUNTY
City of New Orleans	Orleans

LOCATION	LATITUDE	LONGITUDE
5601 Read Blvd, new Orleans, LA 70127	N 30.02811	W -89.96840

DAMAGE DESCRIPTION AND DIMENSIONS
VERSION 2 – PW #18072

SCOPE OF WORK

Version 0 was written to consolidate PWs: # 1971, 9390, 9307, 13511, 7709, 13944 & 6758 Joe Brown Park Complex.
Version 1 was to de-obligate previously funded Project Management costs.
Version 2: The Applicant has requested a version to PW 18072 through the FEMA/GOSHEP versioning process outling the basic scope of work to replace underground wiring to include conduit supporting the Tennis Court Lighting. During an attempt to replace the underground wiring, the contractor was unable to pull the wire through existing conduit. To complete required repairs to the Tennis Court lighting the replacement of conduit will be required. The attached Proposal for $17,200.00 is provided to replace the conduit and additional #4 AWG wire. In the absent of a detailed scope of work from the contractor the attached sketch show an estimated potential scope of work to replacing all the conduit for the Tennis Court Complex.

PW 18072 V0- Shows for #4 AWG wire. $4,800.00 Previously funded. See attached CEF from PW version 0 Site #6. Item #72.
PW 18072 V2- Estimate for conduit = $14,262.50 Based on RS Means Cost Works to replace all the conduit.

Requested amount by the Applicant: $17,200.00 Since the estimate is within 18% of our estimate, we consider the Applicant estimate to be reasonable.
Actual cost will be reconciliated at the conclusion of work.

Attached: Applicant's version request with Contractor's proposal.
Sketch of probable scope of work.
R.S. Means estimated cost.

Does the Scope of Work change the pre-disaster condition at site? ☐ Yes ☒ No
Special Consideration issues included? ☒ Yes ☐ No Hazard Mitigation proposal included? ☐ Yes ☒ No
Is there insurance coverage on the facility? ☒ Yes ☐ No

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/ UNIT	UNIT PRICE	COST
	0000	WORK TO BE COMPLETED			
1	9999	Version 2	1 / LS	$17,200.00	$17,200.00
				TOTAL AMOUNT OF VERSION 2	$17,200.00

PREPARED BY:	Lucian Barham	TITLE:	Project Officer
APPROVED BY:	Dale Peterson	TITLE;	Public Assistance Coordinator
ACCEPTED BY:	David Becnel	TITLE:	CNO ARCHITECT

FEMA Form 90-91, SEP 98

L.P.

FEDERAL EMERGENCY MANAGEMENT AGENCY

SPECIAL CONSIDERATIONS QUESTIONS

1, APPLICANT'S NAME	2. FIPS NUMBER	3. DATE
The City Of New Orleans	071-55000-00	01/08/09
4. PROJECT NAME	**5. LOCATION**	
JOE W. BROWN MEMORIAL PARK	5601 Read Road	

Form must be filled out—for each project.

1. Does the damaged facility or item of work have insurance and/or is it an insurable risk? *(e.g., buildings, equipment, vehicles, etc.)*

☒ Yes ☐ No ☐ Unsure Comments City of New Orleans' policy on file at JFO in Baton rouge

2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact on a floodplain or wetland?

☒ Yes ☐ No ☐ Unsure Comments Zone A4, Panel 115 of 185, Community Panel No. 2252030115E

Map Revised March 1, 1984

3, Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?

☐ Yes ☒ No ☐ Unsure Comments

4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? *(e.g., footprint, material, location, capacity, use or function)*

☐ Yes ☒ No ☐ Unsure Comments

5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal?

☐ Yes ☒ No ☐ Unsure Comments

6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?

☐ Yes ☒ No ☐ Unsure Comments

7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?

☐ Yes ☒ No ☐ Unsure Comments

8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?

☐ Yes ☒ No ☐ Unsure Comments

9. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?

☐ Yes ☒ No ☐ Unsure Comments

Print this page in a more readable format: Click **Print** next to the upper-right corner of the map.



——— 180' TRENCH VISIBLE
100
200
- - - - - - 400'
100'
150'
150'
150
1250 LF

1250 LF - - - - -
180 LF ———
1430 LF OF CONDUIT.

CostWorks 2009 - Joe Brown Park Tennis Court Lighting (Conduit) Estimate

Qty	CSI Number	Description	Crew	Daily Output	Labor Hours	Unit	Bare Mat.	Bare Labor	Total	Total Incl. O&P
1,430.000	16 132 205 9140	PVC conduit, schedule 40, 1-1/2" diameter incl terminations, fittings, & support	1 Elec	100	0.08	L.F.	5,062.20	3,689.40	8,751.60	11,082.50
1.000	16 132 250 2350	Conduit fittings for rigid galvanized steel, LB, LR or LL fittings & covers, 1-1/2" diameter	1 Elec	6	1.333	Ea.	1,125.00	1,290.00	2,415.00	3,180.00
		Totals					**$6,187.20**	**$4,979.40**	**$11,166.60**	**$14,262.50**

PROJECT WORKSHEET CHECKLIST			
Block			**Content**
Disaster		☒	FEMA-1603-DR-LA
Project Number		☒	Provide unique number meeting Applicant and/or PAC format (7 digits or less)
PA ID No. (FIPS #)		☒	Match Applicant Identification Number in NEMIS
Date		☒	Indicate Date of Inspection (if several dates, select one and describe others in Scope of Work)
Category		☒	Identify primary category of work
Damaged Facility		☒	Indicate name of facility or type of work, duration, indicate if multiple sites
Work Compete As Of		☒	Identify percent work complete as of specific date (percentage based on dollars of completed work divided by total dollars)
Applicant		☒	Indicate name as included in NEMIS, do not abbreviate
County / Parish		☒	Indicate county where work is to be performed, do not abbreviate
Location		☒	Indicate street address, sector, city wide, indicate if multiple sites
Latitude and Longitude		☒	Reference primary location (Format: xx.xxxxx, -xxx.xxxxx)
		☐	Include additional multiple locations in Damage Description and Damages
DAMAGE DESCRIPTION	**Damage Description and Dimensions**	☐	Describe the Cause of the Damage – hazard type(s), when occurred
		☐	Demonstrate the Applicant is responsible for the work
		☐	Describe the pre-disaster condition of the facility (design, function, capacity, active use, under construction)
		☐	Quantify specific disaster-related damages or emergency services needed
		☐	Describe ineligible damages, if observed
		☐	Reference Lat/Long location, if pertinent
		☐	Reference year of construction, if applicable
		☐	Refer to Narrative or Continuation Sheet, if provided
		☐	Reference Location Plans, Sketches, Photographs, Other Supporting Documentation

SCOPE OF WORK	**Scope of Work**	☐ Separate Work Completed from Work to be Completed ☐ Describe the work in quantifiable (length, width, height, depth, capacity) and descriptive (brick, wood, asphalt) terms ☐ Work Complete: costs based on actuals, note dates work performed, who performed work (i.e., force account or contractor) ☐ Work to be Completed: note source of estimated costs (RS Means, cost codes, proposal, etc), if emergency work...estimated date of completion, who will perform work (i.e. force account, contract, etc.) ☐ Organize scope items consistent with Damage Description and differentiate between types of damages/costs for insurance purposes (i.e., flood vs. wind) ☐ Describe the work necessary to remove and dispose of disaster-related debris, conduct emergency response measures, or repair or replace the disaster-damaged facility to pre-disaster condition Provide all design assumptions, methods of repair, and calculations to support the work ☐ Describe any work that will restore a facility beyond its pre-disaster condition (required by Codes and Standards, per Hazard Mitigation Proposal, Replacement Projects, Alternate Projects, Improved Projects, Relocation Projects) ☐ Describe any Special Considerations that affect the Scope of Work or Cost Estimate ☐ Document ineligible work and associated costs ☐ If other PWs have been prepared for the same facility, reference those PWs ☐ Describe the basis for the cost estimate (how the work was or will be performed, methodology used to develop costs, reasonableness of costs, procurement method for work by contract) ☐ Make sure work items, dimensions, and quantities match those provided in the Damage Description, the Project Costs, and all sketches and calculations. Any discrepancies require explanation ☐ If portions of the Applicant's claim are not eligible, reference FEMA policy ☐ Refer to Narrative or Continuation Sheet, if provided ☐ Reference Location Plans, Sketches, Photographs, Other Supporting Documentation

	Four Questions	☒	Indicate responses consistent with information provided on the Special Considerations Questions form
	Project Cost	☒	Separate Work Completed from Work to be Completed
		☐	Provide line item for all work items in Scope of Work
		☐	Appropriate cost code and unit price reference is used
		☐	Refer to CEF documentation, if used
		☐	Refer to the Cost Estimate Continuation Sheet, if provided
	Project Cost – Force Account	☐	Type of Labor (overtime, regular time, temp hires, volunteer, prison labor, etc.)
		☐	Describe pay policy
		☐	Perform a 20% sampling of documentation for verification of costs claimed and note findings in PW
	Project Cost – Contracted Costs	☐	Contract Type (Lump Sum, Unit Price, Time and Materials, Cost Plus Percentage of Cost, Mater Services Agreement)
		☐	Review procurement policy
		☐	Describe bid process or sole source
		☐	Comment on contract issues and state that the PW is subject to further review.
		☐	Perform a reasonable cost analysis.
	Prepared By	☒	Name, title, and signature provided
	Applicant Rep.	☐	Name, title, and signature provided
	Special Considerations Questions	☒	Identify any known or potential Special Considerations issues identified during discussion with the Applicant or observation at the site
		☐	Explain the response of "Yes" or "Unsure", or "No" if needed
		☐	Notify the PAC or JFO if a Specialist is needed for resolution

DOCUMETATION	**Supporting Documentation, as applicable to project**	☒	Special Considerations Page	☐	Facility maintenance records (such as for roads, engineered channels, debris basins, and other facilities requiring maintenance to ensure proper function)
		☐	Site Location Map		
		☐	Flood Insurance Rate Map (FIRM)		
		☐	Photographs of site, overall facility, specific damages, and conditions that demonstrate the presence of an immediate threat (if applicable)	☐	Facility inspection / safety reports (such as may be available for bridges and dams)
				☐	Relevant correspondence or information received from the Applicant or State
		☐	Photographs of work completed, if any	☐	Relevant correspondence or information received from alternate funding agencies
		☐	Drawing, sketches and plans of pre-disaster facility design (to scale)	☐	Hazard Mitigation Proposal
				☐	50% rule calculations
		☐	Drawings and sketches of disaster-related damages (to scale)	☐	Justification for request of a relocation project, improved, or alternate project, including details of the proposed project
		☐	Drawings and sketches of the completed or proposed repair (to scale)	☐	Insurance policies
				☐	Hazard mitigation proposals
		☐	Calculation sheet detailing specific dimensions and quantities of damage, and specific dimensions and quantities of work items	☐	Documents supporting compliance with environmental or historic preservation issues
		☐	Engineering / Technical Reports	☐	Contracts or contractor bids
				☐	Mutual aid agreements
		☐	Engineering Specifications for repair (such as Department of Public Works (DPW) standard design drawings)	☐	Rental agreements
				☐	Invoices / Receipts
				☐	Time/equipment records (if applicable)
		☐	Applicable codes and standards	☐	Fringe Benefit Calculation Sheet (Force Account)
		☐	Lease agreements for leased properties	☒	Cost Estimating Format Spreadsheets

1932

REQUEST FOR SCOPE ALIGNMENT OR PW VERSION				Page:	1
				Of:	18
FEMA DR-	PW NUMBER:	FIPS NUMBER:	DATE:	CATEGORY:	SIZE:
1603	18072	071-55000-00	10/17/2008	E	L

APPLICANT:	PARISH:	DAMAGED FACILITY:
City of New Orleans	Orleans	Joe Brown Park

Is this a request of a New Project Worksheet? No X Yes

What is the Priority for this Request? Standard

THE REQUESTED VERSION MEETS ONE OF THE SELECTED CRITERIA LISTED BELOW:

X TYPE 1: Additional damaged elements are identified that impact the Scope of Work and/or costs.

Type 2: A/E schematic design is complete (35% of full design) for the project which results in the need to address scope and/or pricing deficiencies.

Type 3: Properly procured bids are received which results in the need to address scope and/or pricing deficiencies

Type 4: Change order(s) requiring modifications to the scope of work or cost estimates.

Type 5: 406 Hazard Mitigation

Type 6: Insurance

RECEIVED

DEC 2008

BRIEF DESCRIPTION OF THE NEED FOR A VERSION:

NORD has workers at Joe Brown Park currently working on the electrical and lighting for the tennis courts. All of the wiring is underground and they are unable to pull some of it that runs under the concrete tennis court slab most likely due to damaged conduits. Damaged conduits under the concrete slab are not covered in PW 18072.

SIGNATURE OF APPLICANT'S AUTHORIZED REPRESENTATIVE: Ralph E. Thayer	DATE: 10/22/08
PRINT NAME AND POSITION: Ralph E. Thayer, Dir. Reimb	CONTACT NUMBER: 658-8408
SIGNATURE OF STATE APPLICANT LIAISON:	DATE: 10/22/08
PRINT NAME AND POSITION: Skip Barber	CONTACT NUMBER: 907-729-9001
SIGNATURE OF STATE REPRESENTATIVE:	DATE:
PRINT NAME AND POSITION: Mark DeBosier , Infrastructure Branch Chief	CONTACT NUMBER: 225-338-6782
SIGNATURE OF FEMA REPRESENTATIVE:	DATE:
PRINT NAME AND POSITION:	CONTACT NUMBER:

Additional State Information

Documentation Status:	Attached ✓	Applicant Maintained ✓	Not Ready
Notification of Alternate or Improved Project		No X	Yes
Notification of Closeout Version Request		No X	Yes
Project Percent Complete		0 %	

OK RGS 11/10/08

Applicant / State Checklist

Applicant Name: City of New Orleans
FIPS# : 071-55000-00
PW Reference # CNO-PK1 NEMIS PW # 18072

Instructions: This sheet addresses the six valid types of scope alignment / version requests. Please fill out all of the information in Section 1 corresponding to the type of scope alignment / versions being requested. One version type per Checklist. Check all documentation blocks that apply. Submit formal A/I requests through State A/I Team.

Will A/I/C project be formally request?	Yes	X	No	
Is EHP advance review being requested?	Yes		No	X

MANDATORY- Applicant Statement of Claim Identifying the Issue:

NORD has workers at Joe Brown Park currently working on the electrical and lighting for the tennis courts. All of the wiring is underground and they are unable to pull some of it that runs under the concrete tennis court slab most likely due to damaged conduits. Damaged conduits under the concrete slab are not covered in PW 18072.

Section 1

Type:1 Unidentified Damage / Change in Scope

Yes	No	
		a. Photos
		b. Technical Reports
		c. Knowledgeable Applicant representative present for field inspection, notes included.
X		d. Detailed Scope of Work and cost estimate
		e. Other evidence, Including State verification that a cost adjustment is valic

Type: 2 A & E Scope or Cost Alignment

Yes	No	
		a. A & E Design Drawings
		b. Detailed scope of work and cost estimate, including codes and standards

Type: 3 Actual Accepted Bid

Yes	No	
		a. Bid Specification
		b. Contract
		C. Documents supporting proper procurement, including bid/priceinformation

Type: 4 Change Order

Yes	No	
		a. Individual change order proposals
		b. Bundled change order proposals

Type: 5 Hazard Mitigation Request

Yes	No	
		a. Applicant developed HMP with Supporting Documentation
		b. Applicant developed HMP Concept / Proposal
		c. Cost Reasonableness of project

Type: 6 Insurance

Yes	No	
		a. Reconcile Actual Insurance Proceeds
		b. NFIP Determinations
		c. Other changes

Donald Luminais, Sr.
President
Donnie Luminais, Jr.
Vice-President
504-202-5303/504-419-2509

Coast Electric

P.O. Box 641696
Kenner, LA 70065
Fax 504-910-8524
coastelectric88889@yahoo.com

October 6, 2008

Proposal Submitted to:
NORD
New Orleans LA

Work to be performed at:
Joe Brown Tennis Courts
New Orleans LA

Amendments to Joe Brown tennis court lighting project PC# 450 00000029646

In original scope calls for underground wire to be repulled. In Attempt to pull front court we found that runs under court were broken and have to be replaced. In so we must change the lighting controls from one side of court will be on a breaker and other side will be on a different breaker. A new pipe will be installed from main panel to front pole on read Blvd side by electrical vault. The wire will be changed to a size #4 due to voltage drop from distance. All of other poles on this side will have new pipes. The pipes will come up as close to poles and connects will be made above ground with LB fitting.

NORD to supply written letter of approval

No work will start on this till written approval is given

Bid amount; Seventeen thousand Two hundred dollars ($17,200.00).

Sincerely,

Donald R. Luminais, Jr.
Coast Electric, Inc.

18072

FEDERAL EMERGENCY MANAGEMENT AGENCY
PROJECT WORKSHEET

O.M.B. No. 3067-0151
Expires September 30, 2005

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 90 minutes per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collection Management, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, and Paperwork Reduction Project (3067-0151). Submission of the form is required to obtain benefits under the Public Assistance Program. **NOTE: Do not send your completed form to this address.**

DISASTER	PROJECT NO.	PA ID NO.	DATE	CATEGORY
FEMA- 1603 -DR- LA	CNO-PK1	71.55000.00	April 28, 2008	E

DAMAGED FACILITY	WORK COMPLETE AS OF
Joe Brown Park	Aug 2007 : 0 %

APPLICANT	COUNTY
City of New Orleans	Orleans

LOCATION	LATITUDE	LONGITUDE
5601 Read Blvd, new Orleans, LA 70127	N 30.02811	W -89.96840

DAMAGE DESCRIPTION AND DIMENSIONS

HURRICANE KATRINA CAUSED CATASTROPHIC DAMAGE DURING THE INCIDENT PERIOD OF AUGUST 29, 2005 TO NOVEMBER 1, 2005 WHICH RESULTED IN THE DAMAGE DESCRIBED AND SHOWN ON THE ATTACHED SITE CONTINUATION SHEETS.
BASED ON OBSERVATIONS MADE DURING THE INITIAL SITE VISIT ON NOVEMBER 3, 2005, THE JOE BROWN PARK AND MAINTENANCE BUILDINGS WERE ADVERSELY AFFECTED BY HIGH WINDS, HEAVY RAINS AND SURGE FLOODING. THE DAMAGE TO THE BUILDINGS IS DESCRIBED AND SHOWN ON THE ATTACHED SITE CONTINUATION SHEETS THIS PROJECT WORKSHEET WAS DEVELOPED USING REPRESENTATIVES FROM THE FEMA BUILDING TECHNICAL, HISTORICAL AND ENVIRONMENTAL UNITS. THE SCOPE OF WORK FOR THE ELIGIBLE REPAIRS WAS DEVELOPED USING INPUT FROM ALL TEAM MEMBERS TO ASSURE COMPLIANCE WITH SPECIAL CONDITIONS REQUIRED UNDER NEPA.

SCOPE OF WORK

It is the applicant's desire to consolidate multiple PWs relating to each City park into one 'Roll Up' Project Worksheet. This PW was developed by combining 7 Joe Brown PWs and their 18 versions into one roll up PW. The methodology used in this compilation process is as follows; Site Sheets will be used for each of the seven PWs; One site sheet per PW. Original CEF will be used and none will be recalculated

THE SCOPE OF WORK IS TO BRING THESE FACILITIES BACK TO THEIR PREDISASTER FUNCTION AND CAPACITY. IT INCLUDES ALL INVESTIGATION, DESIGN, CONSTRUCTION REPAIRS AND REPLACEMENT OF DAMAGED EQUIPMENT. THE ESTIMATED COST AND SCOPE IS SHOWN IN THE ATTACHED CEF REPORTS. IT INCLUDES, IF NECESSARY, THE PROCUREMENT OF QUALIFIED ARCHITECTURAL AND ENGINEERING (A&E) CONSULTANTS. THE CITY WILL FOLLOW ITS PROCUREMENT PROTOCAL LISTED IN THE OCTOBER 3, 2005 MEMORANDUM FROM THE MAYOR'S OFFICE AND 44 CFR 13.
(See continuation sheets)
LIST of DE-OB PWs: # 1971, 9390, 9307, 13511, 7709, 13944 & 6758.

Does the Scope of Work change the pre-disaster condition at site? [X] Yes [ ] No
Special Consideration issues included? [X] Yes [ ] No Hazard Mitigation proposal included? [X] Yes [ ] No
Is there insurance coverage on the facility? [X] Yes [ ] No

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
1	9000	Flood Damage	1 / LS	$1,129,753.96	$1,129,754.96
2	9000	Wind Damages	1 / LS	$217,566.00	$217,566.00
3	0909	Included HMP DE'OB From PWs: 1971, 9307, 13511 & 13944	1 / LS	$ 32,319.65	$ 32,319.65
				TOTAL COST	$ 1,379,640.61

PREPARED BY: O. Rivera/ A. Daisy	TITLE: Project Officer	
APPROVED BY: David Hughes	TITLE: PAC	
APPLICANT REP.	TITLE 6/5/08	SIGNATURE

27 6/17/08

FEDERAL EMERGENCY MANAGEMENT AGENCY

PROJECT WORKSHEET – Cost Estimate Continuation Sheet

O.M.B. No. 3067-0151
Expires April 30, 2001

DECLARATION NO.	PROJECT NO.	FIPS NO.	DATE	CATEGORY
FEMA- _____ -DR- _____	CNO-PK1	71-55000-00	APRIL 28, 2008	E

APPLICANT	COUNTY
CITY OF NEW ORLEANS	ORLEANS

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
		WORK TO BE DONE	/		$0.00
	9002	SITE #1 FLOOD DAMAGE (original PW #1971)	1 / LS	436,653.00	$ 436,653.00
	9002	SITE # 2 FLOOD DAMAGE (original PW # 2398)	1 / LS	208,679.00	$ 208,679.00
	9002	SITE #3 FLOOD DAMAGE (original PW # 9307)	1 / LS	137,366.00	$137,366.00
	9002	SITE #4 FLOOD DAMAGE (original PW # 13511)	1 / LS	10,240.51	$ 10,240.51
	9002	SITE #5 FLOOD DAMAGE (original PW # 7709)	1 / LS	48,154.65	$ 48,154.65
	9002	SITE # 6 FLOOD DAMAGE (original PW # 13944)	1 / LS	75,517.00	$ 75,517.00
	9002	SITE # 7 FLOOD DAMAGE (original PW # 6758)	1 / LS	213,144.80	$ 213,144.80
	9002	Sub total	/		$ 1,129,754.96
			/		$0.00
	9002	SITE # 1 WIND DAMAGE (original PW # 1971)	1 / LS	70,671.00	$70,671.00
	9002	SITE # 2 WIND DAMAGE	1 / LS	0.00	$0.00
	9002	SITE # 3 WIND DAMAGE (original PW # 9307)	1 / LS	100,390.00	$100,390.00
	9002	SITE # 4 WIND DAMAGE	1 / LS	0.00	$0.00
	9002	SITE # 5 WIND DAMAGE	1 / LS	0.00	$0.00
	9002	SITE # 6 WIND DAMAGE (original PW # 13944)	1 / LS	46,505.00	$ 46,505.00
	9002	SITE # 7 WIND DAMAGE	1 / LS		$0.00
		Sub total	/		$217,566.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
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			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/	TOTAL COST	$ 1, 347,320.96

PREPARED BY: O. Rivera & A. Daisy

FEMA Form 90-91B, SEP 98

	FLOOD	WIND	
SITE 1	$ 436,653.00	$ 70,671.00	$ 507,324.00
SITE 2	$ 208,679.00	$ -	$ 208,679.00
SITE 3	$ 137,366.00	$ 100,390.00	$ 237,756.00
SITE 4	$ 10,240.51	$ -	$ 10,240.51
SITE 5	$ 48,154.65		$ 48,154.65
SITE 6	$ 75,517.00	$ 46,505.00	$ 122,022.00
SITE 7	$ 213,144.80		$ 213,144.80
Total	$ 1,129,754.96	$ 217,566.00	$ 1,347,320.96
			$ 32,319.65
			$ 1,379,640.61

Federal Emergency Management Agency

SITE # 1 OF 7

Applicant:	City of New Orleans	**Project Ref. #**	CNO-PK1
Damaged Facility Name/Function:	Joe Brown – (Maintenance Building, Shelters 1 & 2, Tennis Concession Building)		
Address of Facility if a Building:	5601 Read Blvd.		
City	New Orleans	**State** LA **Zip**	70127
Site Latitude	N 30.02811	**Site Longitude**	W -89.96840

#2 LOCATION

Directions to the Damaged Facility:

Park is located within the quadrant between Read Blvd, Lake Forest Blvd, Dwyer Rd., and Wright Rd.

#3 DAMAGE DESCRIPTION and DIMENSIONS

3A what caused the damage?

Facility sustained both Wind and Flood Damage
Original Damages written in the following PWs; PW #1971V0, Version 1, Version 2.

3B What were the damages, caused by the disaster and their physical dimensions?

Joe Brown Park Maintenance Building:
Structure Description: The Park Maintenance Building is a Structural Steel Metal sided building of 4760 square feet. The Maintenance Service Bays of 3720 square feet are used for equipment maintenance and an office area of 1040 square feet is used for management staff.

The buildings were subjected to high winds, driving rain and flood waters of 3.5 to 6 feet high. The following components were damaged during the storm:

FLOOD DAMAGES
Over 1040 Square feet of interior office area was destroyed: area included, floors, walls, ceilings, wall/ceiling insulation, doors, metal doors, wood doors, water heater, plumbing, lights and electrical system.
Metal structural framing members corroded by brackish flood waters up to flood line.
Electrical system in the Maintenance Bay area of 3720 square feet was destroyed;

HIGH WINDS DAMAGES
1- Side wall painted metal siding that is 640 square feet was destroyed..
1- Side wall painted metal siding that is 285 square feet in area was destroyed.
Four overhead metal roll-up doors that are 10 feet by 10 feet were destroyed.
Three exterior metal doors 3 feet - 0 inches by 6 feet- 8 inches were destroyed.
One double wooden door, 6 feet by 6 feet - 8 inches was destroyed.
Twenty fiberglass roof skylights that were 3 feet by 12 feet each were destroyed.
Three room size Air Conditioner-heater units were destroyed.

3B What were the damages, caused by the disaster and their physical dimensions? Continuesd

Joe Brown Park Shelters #1 & #2:

FLOOD DAMAGES

All Exterior wall areas of 1040 square feet were severely stained;
All Interior wall areas of 1040 square feet were severely stained;
All Column areas of 452 square feet were severely stained;
Metal door 3 feet by 6 feet – 8 inches corroded by brackish flood waters;
Metal security gate of 200 square feet corroded by brackish flood waters;
Four stainless steel soap dispensers were severely corroded;
Five stainless steel toilet paper dispensers were severely corroded;
Four towel dispensers were severely corroded;
Two stainless water cooler drinking fountains were severely corroded;
Four stainless steel sinks were corroded;
Two metal doors 3 foot by 6 foot - 8 inches were destroyed;
Complete Electrical systems covering an area of 1800 square feet were destroyed;
Joe Brown Park Shelters #1 & #2 (continued)

HIGH WINDS DAMAGES

Asphalt 3-Tab shingles Shelter #2 covering an area of 530 square feet were destroyed. Remaining roof area needs to be physically inspected for damage or oridinary wear and tear on a roof of similar age and exposure;
Vinyl siding covering an area of 70 square feet was destroyed.

Joe Brown Park Tennis Concession Building:

Damage Description: The tennis courts and fencing enclosure were subject to high winds and flood waters of approximately 6 feet above the ground during the declared disaster and significant wind damage was done to the enclosure.

FLOOD DAMAGES

Part 1:

Asphalt 3-Tab shingles covering an area of 700 square feet were destroyed. Remaining roof area needs to be physically inspected for damage or ordinary wear and tear on a roof of similar age and exposure;
Asphalt edge starter strip of 188 linear feet was destroyed;
Wood 1 x 12 inch facia board consisting of 59 linear feet was destroyed;
Wood fence that is 30 linear feet long by 6 feet high was destroyed;
Interior electrical system covering an area of 2000 square feet was destroyed;
One Domestic type 40 gallon hot water heater destroyed;
One 3-ton Air-conditioner compressor-fan cooling unit was destroyed;
Interior walls of 800 square feet were severely stained;
Five hundred square feet of Vinyl 12 inch by 12 inch by 3/16 inch thick floor tiles were destroyed

Damages found after second inspection of the Tennis Court Concession building:

Part 2: The following additional components were damaged or destroyed during the storm:

Wind damaged the following Tennis Court fence enclosure components:

1. 240 lineal feet of 10 foot high chain link fencing with one 3 foot wide by 7 foot high gate on east fence line.
2. 50 lineal feet of 9 foot high chain link fencing (on north fence line).
3. Missing top rails (one 15 lineal feet at center of west fence line) and center rails (two at 10 lineal feet each, one on south fence line at east end and one on west fence line at north end).
4. Mis-alignment of center rails in 6 locations on south, north and west fence lines.
5. Mis-alignment of 1 chain link gate in northwest corner of enclosure.
6. Mis-alignment of one post extension in northwest corner of enclosure.
7. Missing 1 post cap at center of west fence line (at gate).

3B What were the damages, caused by the disaster and their physical dimensions? Continued

Wind damaged the following additional Tennis Court Concessions Building components:

1. Asphalt 3-tab shingle roof membrane, 75 feet by 54 feet, approximately 4,025 square feet (3:12 slope) additional damage. The original PW included 70 square feet of membrane.
2. Ridge vent at top of roof, 21 lineal feet.
3. Asphalt edge starter strip, approximately 70 lineal feet additional damage. The original PW included 188 lineal feet of starter strip.
4. Diagonal bracing between roof trusses has been pulled loose at a minimum of 3 locations. Additional locations may be found when the acoustical ceiling system has been removed.
5. Wood 1x12 fascia board, approximately 199 lineal feet additional damage. The original PW included 59 lineal feet of fascia board.
6. Plywood soffits, 1 foot wide around the perimeter of the roof, 254 lineal feet.
7. Acoustical ceiling system including 2 foot by 4 foot panels and suspension system, approximately 450 square feet.
8. Two, 2 foot by 4 foot fluorescent lights below ridge vent.

Flood waters damaged the following additional Tennis Court Concessions Building components:

1. One aluminum framed entry door with associated hardware. Entry door was torn off aluminum frame.
2. Two bracket mounted drinking fountains on the exterior of the building.
3. Peeling paint on 18 steel tube columns and brackets supporting the roof eaves.
4. Lavatories in Men's and Women's Toilet Rooms, 4 total.
5. Toilets in Men's and Women's Toilet Rooms, 6 total.
6. Polyethylene urinal trough in Men's Toilet Room, 4 feet long.
7. Toilet partitions in Men's and Women's Toilet Rooms, 6 feet long in Men's and 11 feet-6 inches long in Women's Toilet Rooms, fronts only (doors and pilasters).
8. Gypsum board partitions and plastic laminate countertops, 16 lineal feet in two sections with 18 inches wide countertop.
9. Five 3 feet by 6 feet-8 inches hollow metal doors and frames with 3 feet wide by 20 inches high transom panels at entrances to Toilet Rooms, storage rooms inside Toilet Rooms and on west side of building.
10. Two 3 feet by 6 feet-8 inches steel door frames with 3 feet wide by 20 inches high transom panels at inside of Toilet Room Vestibules. The doors appear to have been removed prior to the disaster.
11. Built-in wood desk with plastic laminate top in northwest corner of building, 4 feet-4 inches long with 3-drawer pedestal on right side.
12. Built-in wood cabinet and plastic laminate countertop in southwest corner of building, 4 feet-4 inches long.
13. Built-in wood cabinet and stainless steel countertop covering in west room, 11 feet long, 30 inches deep.
14. One, three-compartment stainless steel utility sink.

It is anticipated that the scope of work could be revised when the final plans are developed. Any revised scope of work or cost will be covered in a separate version or versions of this project worksheet

#4 SCOPE OF WORK (*work required to bring facility back to pre-disaster condition*)

4A What repairs have been completed?
No repairs don as of yet

#4B What repairs still need to be completed?

Joe Brown Park Maintenance Building:
FLOODING DAMAGES
1 - Renovate interior office area floors, walls, ceiling, wall/ceiling insulation, wood doors, metal doors, water heater, plumbing, lights and electrical system of 1040 square feet to its pre-disaster condition;
2 - Clean, sand or wire brush, rust inhibit, prime and paint structural steel framing members;
3 - Remove and replace Maintenance Bay electrical system in the 3720 square foot area;
4 - Remove and replace painted metal end-wall with 604 square feet of in kind materials;
5 - Remove and replaced painted metal side-wall with 285 square feet of in kind materials
6 - Remove and replace four overhead metal roll-up doors that are 10 feet by 10 feet;
7 - Remove and replace three metal doors 3 feet – 0 inches by 6 feet – 8 inches;
8 - Remove and replace one wooden door, 6 feet wide by 6 feet – 8 inches high;.
9 - Replace three room size office air conditioner/heater units.

HIGH WINDS DAMAGES
10-Remove and replace twenty fiberglass skylights that are 3 feet wide by 12 long by 1/8 inch thick;

Joe Brown Park Shelters #1 & #2:
FLOODING DAMAGES
1 - Clean and paint complete exterior wall areas of 1040 square feet;
2 - Clean and paint complete interior wall areas of 1040 square feet;
3 - Clean and paint all column areas of 452 square feet;
4 - Sand, rust inhibit and paint metal door 3 feet by 6 feet – 8 inches;
5 - Sand, rust inhibit and paint metal gates of 200 square feet;
6 - Remove and replace four stainless steel soap dispensers;
7 - Remove and replace five stainless steel toilet dispensers;
8 - Remove and replace four stainless steel towel dispensers;
9 - Remove and replace two stainless wall cooler drinking fountains;
10-Remove and replace four stainless steel sinks;
11-Remove and replace two metal doors that are 3 feet by 6 feet – 8 inches;
12-Remove and replace 1800 square feet of electrical system

HIGH WINDS DAMAGES
13-Replace 530 square feet of 3 tab asphalt shingles of similar color and kind. Inspect remaining roof area for incident damage and replace as required;
14-Replace 70 square feet of vinyl siding with similar color and kind.

Joe Brown Park Tennis Concession Building:
Part 1 :

FLOODING DAMAGES
1 - Remove and renovate 2000 square feet of electrical system;
2 - Remove and replace one 3-ton compressor-fan Air conditioning cooling unit;
3 - Remove and replace one 40 gallon hot water heater;
4 - Clean and paint 800 square feet of stained interior wall area;
5 - Remove and replaced 500 square feet of 12 inch by 12 inch by 3/13 inch vinyl floor tiles of similar color.

HIGH WINDS DAMAGES
6 - Replace (700SF) of 3 tab asphalt shingles of similar color and kind. Remaining roof area to be inspected for incidental damages and replaced as required.
7 - Remove and replace 188 Linear feet of Asphalt starter strip.

#4B What repairs still need to be completed (continued)?

Joe Brown Park Tennis Concession Building:

Part 2 :

Uncompleted Wind Repairs on the Tennis Court Fence Enclosure:

1. Removal of 240 lineal feet of 10 foot high chain link fencing with one 3 foot wide by 7 foot high gate on the east fence line.
2. Install 240 lineal feet of 10 foot high chain link fencing with one 3 foot wide by 7 foot high gate on the east fence line.
3. Resetting of 50 lineal feet of 9 foot high chain link fencing.
4. Replace missing top rails (one 15 lineal feet) and center rails (two at 10 lineal feet each).
5. Re-attach center rails in 6 locations on south, north and west fence lines.
6. Re-align 1 chain link gate in northwest corner of enclosure.
7. Re-attach one post extension in northwest corner of enclosure.
8. Uncompleted Wind Repairs on the Tennis Court Concessions Building:
9. Removal and replacement of asphalt 3-tab shingle roof membrane, 75 feet by 54 feet, approximately 4,025 square feet (3:12 slope) additional damage. The original PW included 70 square feet of membrane.
10. Reinstallation of ridge vent at top of roof, 21 lineal feet.
11. Re-attach loosened diagonal bracing between roof trusses at a minimum of 3 locations. Additional locations may be found when the acoustical ceiling system has been removed.
12. Removal and replacement of wood 1x12 fascia board, approximately 199 lineal feet additional damage. The original PW included 59 lineal feet of fascia board
13. Removal and replacement of 1/2 inch thick plywood soffits, 1 foot wide around the perimeter of the roof, 254 lineal feet.
14. Removal and replacement of acoustical ceiling system including 2 foot by 4 foot panels and suspension system, approximately 450 square feet.
15. Removal and replacement of two, 2 foot by 4 foot fluorescent lights below ridge vent.

Uncompleted Flood Repairs on the Tennis Court Concessions Building:

1. Replace 1 aluminum framed entry door with associated hardware.
2. Removal and replacement of two bracket mounted drinking fountains on the exterior of the building.
3. Cleaning of peeling paint and painting of 18 steel tube columns and brackets supporting the roof eaves.
4. Cleaning of lavatories in Men's and Women's Toilet Rooms, 4 total.
5. Removal and replacement of toilets in Men's and Women's Toilet Rooms, 6 total.
6. Cleaning of one polyethylene urinal trough and fittings in Men's Toilet Room, 4 feet long.
7. Removal and replacement of toilet partitions in Men's and Women's Toilet Rooms, 6 feet long in Men's and 11 feet-6 inches long in Women's Toilet Rooms, fronts only (doors and pilasters).
8. Removal and replacement of gypsum board partitions and plastic laminate countertops, 16 lineal feet in two sections with 18 inches wide countertop.
9. Removal and replacement of five 3 feet by 7 feet hollow metal doors and frames with 3 feet wide by 20 inches high transom panels at entrances to Toilet Rooms, storage rooms inside Toilet Rooms and on west side of building.
10. Removal and replacement of two 3 feet by 7 feet steel door frames at inside of Toilet Room Vestibules. The doors appear to have been removed prior to the disaster.
11. Removal and replacement of built-in wood desk with plastic laminate top in northwest corner of building, 4 feet-4 inches long with 3-drawer pedestal on right side.
12. Removal and replacement of built-in wood cabinet and plastic laminate countertop in southwest corner of building, 4 feet-4 inches long.
13. Removal and replacement of built-in wood cabinet and stainless steel countertop covering in west room, 11 feet long, 30 inches deep.
14. Cleaning of one, three-compartment stainless steel utility sink and fittings.

Federal Emergency Management Agency

#4C What are the cost of the damage repairs? (Item/Quantity/Cost)

WORK COMPLETED:

WORK TO BE COMPLETED:
Flooding Damage: $436,653.00
Wind Damage: $70,671.00
Total: $507,324.00

CEF Fact Sheet

City of New Orleans - Joe Brown Park- Site Sheet 1

Date of Estimate:	May 21, 2007
FEMA Region:	VI
Preparer(s):	Alan Itzkowitz
Applicant Name:	City of New Orleans
Project Title:	Joe Brown Park- Site Sheet 1
Damaged Facility:	Maint. Bldg, Tennis Concession, Shelter #1 & #2
Declaration Number:	1603 LA
Project Number:	1971V2 (CP-30)
PA ID No.:	071-55000-00
Date of Inspection:	November 3, 2005 and May 17, 2007
Event Date(s)	August 29, 2005
Work Category:	E
Type of Work: *(Enter New, Repair, etc.)*	Wind Flood
Scope:	See PW and Continuation Sheet for Scope of Work. General Contractor will be used to implement work. Means CostWorks Qtr 2 2007 set at zip code 701xx used to establish estimated costs. No work completed as of date of last inspection. This Version 1 adds the tennis court fencing to the PW and various CEF Factors.

CEF Notes

City of New Orleans - Joe Brown Park- Site Sheet 1

Damaged Facility:		Maint. Bldg, Tennis Concession, Shelter #1 & #2
Applicant Name:		City of New Orleans
Project Number:		1971V2 (CP-30)
Date of Estimate:		May 21, 2007
Preparer(s):		Alan Itzkowitz
Part A Notes:	A.1 -	Costs were estimated with RS Means and local costs based on observed damages. The City intends to hire an Architect-Engineer to prepare a detailed and comprehensive anlysis of the damage imparted to this facility by the hurricane and develop contract documents and specifications for the eligible work necessary to restore the buildings to their original condition. No permanent work has been completed to date.
	A.2 -	No non-permanent work has been completed to date.
Part B Notes:	B.1 -	No special requirements for safety and security. Temporary services and facilities are available. 0.5% was used for quality control. 1% was used for submittals.
	B.2 -	A General Contractor will complete the work.
Part C Notes:	C.1 -	Basic engineering analysis for repairs of park and maintenance Facilities.
	C.2 -	No constructability issues expected.
	C.3 -	Minor special access issues with these projects, use 1%.
	C.4 -	These are small projects so no economies of scale.
Part D Notes:	D.1 -	General Contractor's overhead.
	D.2 -	General Contractor's insurance and bonds.
	D.3 -	General Contractor's profit.
Part E Notes:	E.1 -	Monthly cost escalation factor of 0.925% applied for 14 months estimated mid-point of construction (8 months from 1/1/07 for design, 2 months for bidding/contract & 8 months for construction).
Part F Notes:	F.1 -	New Orleans plan review fees are 1/10% of construction or $50 minimum.
	F.2 -	New Orleans building permit fees are 1/2% of construction plus $50.
Part G Notes:	G.1 -	Change Order Reserve checked due to uncertainty of overall eligible scope at time of estimate.
Part H Notes:	H.1 -	The Applicant will manage the design effort.
	H.2 -	The project is not complex, therefore the average complexity Curve B was used to calculate the A&E fees.
	H.3 -	The Applicant will manage the construction effort.
Miscellaneous Notes & Comments: *Use mouse to Activate Cursor:*		Refer to PW document for additional damage description and scope of work.

CEF Part A Estimate

City of New Orleans - Joe Brown Park- Site Sheet 1

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
	Permanent						
	Maintenance Building Wind Damage						
1	Fiberglass Skylights 3' X 12	06510 400 1000	720.00	SF	$ 12.95	0.86	$ 8,018.64
	Sub-Total Maintenance Building Wind Damage						**$ 8,018.64**
	Maintenance Building Flood Damage						
1	Interior Office Renovation	17100 6100010	1,080.00	SF	$ 104.05	0.86	$ 96,641.64
2	Maintenance Garage Electric Renovation	17100 390 2900	3,720.00	SF	$ 10.20	0.86	$ 32,631.84
3	Painted Metal Endwall Siding 16'x40'	07460 100 2700	640.00	SF	$ 4.42	0.86	$ 2,432.77
4	Painted Metal Endwall Siding 3'x95'	07460 100 2700	285.00	SF	$ 4.42	0.86	$ 1,083.34
5	Overhead Door 10' x 10'	08300 550 1100	4.00	EA	$ 1,450.00	0.86	$ 4,988.00
6	Exterior Metal Entrance Doors and Frames	09110 200 1240	3.00	EA	$ 380.00	0.86	$ 980.40
7	Double wide wood exterior door	0911 200 1240	1.00	EA	$ 960.00	0.86	$ 825.60
8	Air Conditioner-Heater Units	15730 500 0200	3.00	EA	$ 1,200.00	0.86	$ 3,096.00
9	Clean, wire brush, rust inhibit, prime, paint, all structural steel members affected by flood waters	Engr Est	240.00	SF	$ 3.00	1.00	$ 720.00
	Sub-Total Maintenance Building Flood Damage						**$ 143,399.59**
	Tennis Court Concession Building Wind Damage						
1	Repair Asphalt Roofing 3-Tab Shingle	Local-HBA	7.00	SQ	$ 255.00	1.00	$ 1,785.00
2	Demolish Facia Board		59.00	LF	$ 0.46	1.00	$ 27.14
3	Replace Facia Board		59.00	LF	$ 2.00	1.00	$ 118.00
4	Repair Asphalt Edge Trim	Local-HBA	118.00	LF	$ 2.55	1.00	$ 300.90
5	Paint Facia Board 3-Coats	09910 800 0320	59.00	SF	$ 1.39	0.86	$ 70.53
	Sub-Total Tennis Court Concession Building Wind Damage						**$ 2,301.57**
	Tennis Court Concession Building Flood Damage						
1	Air Conditioner 3 - Ton	15730 840 0200	1.00	EA	$ 4,200.00	0.86	$ 3,612.00
2	Hot Water Heater 40 Gallon	11454 500 6900	1.00	EA	$ 720.00	0.86	$ 619.20
3	Wood Fence 6-feet high		30.00	LF	$ 14.85	0.86	$ 383.13
4	Interior Painting	09910 940 0270	800.00	SF	$ 0.35	0.86	$ 240.80
5	Vinyl Flooring 3/16"	09658 100 7200	500.00	SF	$ 1.93	0.86	$ 829.90
6	Demolish Electrical		2,000.00	SF	$ 3.00	1.00	$ 6,000.00
7	Interior Electrical	M.170	2,000.00	SF	$ 9.68	0.86	$ 16,649.60
	Sub-Total Tennis Court Concession Building Flood Damage						**$ 28,334.63**

CEF Part A Estimate

City of New Orleans - Joe Brown Park- Site Sheet 1

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
	Shelters #1 & #2 Flood Damage						
1	Clean Interior, Exterior walls, Columns		2,572.00	SF	$ 0.24	1.00	$ 617.28
2	Clean, Paint Interior walls	09910 949 0270	1,040.00	SF	$ 0.35	0.86	$ 313.04
3	Clean, Paint Columns	09910 940 0270	452.00	EA	$ 0.35	0.86	$ 136.05
4	Clean, Paint Exterior Walls	0910 940 0270	1,080.00	SF	$ 0.35	0.86	$ 325.08
5	Sand, Rust Inhibit, Paint, Metal Door		42.00	SF	$ 2.00	1.00	$ 84.00
6	Sand, Rust Inhibit, Paint, Iron Works		200.00	SF	$ 2.00	1.00	$ 400.00
7	Replace Stainles Soap Dispensers		4.00	EA	$ 40.00	1.00	$ 160.00
8	Replace Stainles Toilet Paper Dispnsers		5.00	EA	$ 40.00	1.00	$ 200.00
9	Towel Dispensers		4.00	EA	$ 40.00	1.00	$ 160.00
10	Drinking fountains	D2010 810-1740	4.00	EA	$ 1,325.00	0.86	$ 4,558.00
11	Sinks	D2010 410 1800	8.00	EA	$ 970.00	0.86	$ 6,673.60
12	Steel Doors 3-0 by 6-8 restrooms	08110 200 0420	2.00	EA	$ 380.00	0.86	$ 653.60
13	Demolish Conduit and Wire	16050 300 0020	125.00	LF	$ 2.07	0.86	$ 222.53
14	Demolish Switches and Boxes	16050 300 1760	3.00	EA	$ 4.68	0.86	$ 12.07
15	Demolish Main Electrical Panel	16050 300 1210	1.00	EA	$ 193.00	0.86	$ 165.98
16	New Electrical based on Square Feet	D5020 120 1120	1,800.00	SF	$ 2.91	0.86	$ 4,504.68
17	Replace Asphalt Shingles Shelter #2	07310 100 0450	24.30	SQ	$ 181.00	0.86	$ 3,782.54
18	Vinyl Siding		70.00	SF	$ 5.00	1.00	$ 350.00
	Sub-Total Shelters Flood Damage						$ 23,318
	Tennis Court Fencing Wind Damage						
1	Remove damaged fencing, 8 feet to 10 feet high	02 220 220 1700	240.00	LF	$ 2.83	1.00	$ 679.20
2	Install 10 foot high chain link fencing with 1 gate	02 820 130 3890	240.00	LF	$ 29.00	1.00	$ 6,960.00
3	Reset 9 foot high chain link fencing	02 220 220 1750	50.00	LF	$ 18.00	1.00	$ 900.00
4	Install top and center rails	02 820 130 8400	35.00	LF	$ 3.01	1.00	$ 105.35
5	Re-attach center rails to posts - 1 hour at $70.80/hour	Crew B80	6.00	EA	$ 70.80	1.00	$ 424.80
6	Re-align chain link gate - 2 hours at $70.80/hour	Crew B80	1.00	EA	$ 141.60	1.00	$ 141.60
7	Re-attach post extension - 1 hour at $70.80/hour	Crew B80	1.00	EA	$ 70.80	1.00	$ 70.80
8	Install post cap - 1 hour at $70.80/hour	Crew B80	1.00	EA	$ 70.80	1.00	$ 70.80
	Sub-Total Tennis Court Fencing Wind Damage						$ 9,353

CEF Part A Estimate

City of New Orleans - Joe Brown Park- Site Sheet 1

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
	Tennis Court Concession Building Additional Wind Damage						
1	Replace additional asphalt roofing 3-tab shingles	Local-HBA	40.25	SQ	$ 255.00	1.00	$ 10,263.75
2	Installation of ridge vent at top of roof	07 720 550 0430	21.00	LF	$ 5.30	1.00	$ 111.30
3	Re-attach loosened diagonal bracing between roof trusses	Crew 2 Carp	1.00	DAY	$ 457.20	1.00	$ 457.20
4	Demolish fascia board	06 052 120 3040	199.00	LF	$ 0.54	1.00	$ 107.46
	A) Install fascia board $3.91 x 2	06 220 500 3370	199.00	LF	$ 7.82	1.00	$ 1,556.18
5	Demolish 1 foot wide strip of 1/2 inch thick plywood soffits $0.54 x 2	06 052 120 3040	254.00	LF	$ 1.08	1.00	$ 274.32
	A) Install 1 foot wide strip of 1/2 inch thick plywood soffits	06 220 900 1000	254.00	LF	$ 2.70	1.00	$ 685.80
	B) Paint plywood soffits	09 910 800 0190	1,500.00	SF	$ 0.31	1.00	$ 465.00
6	Demolish acoustical ceiling panels and grid system	09 060 110 1250	450.00	SF	$ 0.42	1.00	$ 189.00
	A) Install acoustical ceiling panels and grid system	09 510 760 0810	450.00	SF	$ 1.97	1.00	$ 886.50
7	Removal of 2 foot by 4 foot fluorescent lights below ridge vent	16 055 500 4200	2.00	EA	$ 45.00	1.00	$ 90.00
	A) Install 2 foot by 4 foot fluorescent lights below ridge vent	16 150 440 0600	2.00	EA	$ 141.00	1.00	$ 282.00
	Sub-Total Tennis Court Concession Building Additional Wind Damage						**$ 15,368.51**
	Tennis Court Concession Building Additional Flood Damage						
1	Replace aluminum framed entry door with associated hardware	08 410 130 0020	1.00	EA	$ 1,200.00	1.00	$ 1,200.00
	A) Insulated glass for door	08 810 460 0500	21.00	SF	$ 28.50	1.00	$ 598.50
2	Removal and replacement of two bracket mounted drinking fountains	Crew 1 Plum	1.00	DAY	$ 67.40	1.00	$ 67.40
	A) Install bracket mounted drinking fountains	15 412 200 2780	2.00	EA	$ 805.00	1.00	$ 1,610.00
3	Cleaning of peeling paint and painting of 18 steel tube columns and brackets $0.91 * 18 LF	05 910 500 6180 & 09 910 620 0510	18.00	EA	$ 16.38	1.00	$ 294.84
4	Clean lavatories in Men's and Women's Toilet Rooms	01 832 300 0210	4.00	EA	$ 3.27	1.00	$ 13.08
5	Removal of toilets in Men's and Women's Toilet Rooms	15 055 600 1420	6.00	EA	$ 51.00	1.00	$ 306.00
	A) Install toilets in Men's and Women's Toilet Rooms	15 418 900 3100	6.00	EA	$ 480.00	1.00	$ 2,880.00
6	Clean polyethylene urinal trough and fittings in Men's Toilet Room $3.27 *2	01 832 300 0210	1.00	EA	$ 6.54	1.00	$ 6.54
7	Removal and replacement of toilet partitions in Men's and Women's Toilet Rooms						
	A) Removal of damaged plastic laminate pilasters @ $73 x .5	10 060 100 1910	8.00	EA	$ 36.50	1.0	$ 292.00
	B) Replacement of damaged plastic laminate pilasters @ $960 x .33	10 165 100 1100	8.00	EA	$ 316.80	1.0	$ 2,534.40
	C) Removal of damaged plastic laminate doors @ $73 x .33	10 060 100 1910	6.00	EA	$ 24.10	1.0	$ 144.60
	D) Replacement of damaged plastic laminate doors @ $960 x .33	10 165 100 1100	6.00	EA	$ 316.80	1.0	$ 1,900.80

CEF Part A Estimate

City of New Orleans - Joe Brown Park- Site Sheet 1

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
8	Removal and replacement of gypsum board partitions and plastic laminate countertops						
	Removal of plastic laminate countertops	06 052 120 1500	16.00	LF	$ 2.67	1.00	$ 42.72
	Removal of gypsum board partitions	09 060 130 2300	64.00	SF	$ 1.49	1.00	$ 95.36
	Install gypsum board partitions with 3 5/8 inch steel studs	09 260 100 3800	64.00	SF	$ 3.39	1.00	$ 216.96
	Install plastic laminate countertops	06 410 100 0600	16.00	LF	$ 45.00	1.00	$ 720.00
9	Removal and replacement of 3 feet by 7 feet hollow metal doors and frames					1.00	$ -
	A) Doors remove and dispose @ $16.35 x 1.5	08 060 110 0200	5.00	EA	$ 24.50	1.00	$ 122.50
	B) Door frames demo, metal, remove @ $41.50 x 1.5 for grout to brick walls	08 060 110 2000	5.00	EA	$ 62.25	1.00	$ 311.25
	C) Door frame, 6" steel channels with anchors and bar stops	08 110 250 0100	5.00	EA	$ 355.00	1.00	$ 1,775.00
	D) Grout frames, 2.5 CF per opening	04 070 420 0800	5.00	EA	$ 31.50	1.00	$ 157.50
	E) 3'-0" wide by 6'-8" high partially glazed flush hollow metal doors and frames with	08 110 200 1260	3.00	EA	$ 390.00	1.00	$ 1,170.00
	F) flush hollow metal transom panel @ $395 x .5	08 110 200 0640	5.00	EA	$ 195.00	1.00	$ 975.00
	G) Door hardware, hinges, full mortise, high frequency, steel base, US26D, 4-1/2" x 4-1/2"	08 710 520 1040	7.50	PR	$ 60.50	1.00	$ 453.75
	H) Mortise lockset, industrial, heavy duty, with deadbolt, key overide, lever activated handle	08 710 700 4040	3.00	EA	$ 370.00	1.00	$ 1,110.00
	I) Door hardware, door closer, rack and pinion, adjustable backcheck, 3 way mount, non sized, hold open arm	08 710 300 0240	3.00	EA	$ 250.00	1.00	$ 750.00
10	Removal and replacement of 3 feet by 6'-8" feet steel door frames						
	A) Doors remove and dispose @ $16.35 x 1.5	08 060 110 0200	2.00	EA	$ 24.50	1.00	$ 49.00
	B) Door frames demo, metal, remove @ $41.50 x 1.5 for grout to brick walls	08 060 110 2000	2.00	EA	$ 62.25	1.00	$ 124.50
	C) Door frame, 6" steel channels with anchors and bar stops	08 110 250 0100	2.00	EA	$ 355.00	1.00	$ 710.00
	D) Grout frames, 2.5 CF per opening	04 070 420 0800	2.00	EA	$ 31.50	1.00	$ 63.00
11	Removal of built-in wood desk with plastic laminate top in northwest corner of building	06 052 120 1000	5.00	LF	$ 6.70	1.00	$ 33.50
	A) Install built-in wood 3-drawer pedestal for desk $25 x 2 per drawer x 3 drawers	06 410 240 3000	1.00	EA	$ 150.00	1.00	$ 150.00
	B) Install plastic laminate top, 4 feet-4 inches long $45 x 1.5 for 36 inches deep	06 410 100 0600	4.50	LF	$ 67.50		
12	Removal of built-in wood cabinet and plastic laminate countertop in southwest corner of building	06 052 120 1000	5.00	LF	$ 6.70	1.00	$ 33.50
	A) Install built-in wood cabinet and plastic laminate countertop, 4 feet-4 inches long $45 x 1.5 for 36 inches deep	06 410 100 0600	4.50	EA	$ 67.50	1.00	$ 303.75

CEF Part A Estimate

City of New Orleans - Joe Brown Park- Site Sheet 1

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
13	Removal of built-in wood cabinet and stainless steel countertop covering in west room	06 052 120 1000	11.00	LF	$ 6.70	1.00	$ 73.70
	A) Install built-in wood cabinet and stainless steel countertop covering, 11 feet long, 30 inches deep $45 x 1.5 for 36 inches deep	06 410 100 0600	4.50	EA	$ 67.50	1.00	$ 303.75
14	Clean three-compartment stainless steel utility sink and fittings	01 832 300 0210	1.00	EA	$ 20.00	1.00	$ 20.00
	Sub-Total Tennis Court Concession Building Additional Flood Damage						**$ 21,612.90**
						Uncompleted - Permanent Total	***$ 251,707***

City of New Orleans - Joe Brown Park- Site Sheet 1

		Wind	Flood	$ -	$ -	$ -	Total
PART A	"Base Costs" for Construction Work-in Trades						
A.1	Foundation Work (From FEMA Estimate)						$ -
A.2	Non-Armand Frost Specific Work (From FEMA Estimate)						$ -
	Part A Total	$ -	$ -	$ -	$ -	$ -	$ -
PART B	General Requirements and General Conditions						
B.1	General Requirements	Range % Low to High	Enter % in Appropriate Column				
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0% 6.0%					
	Temporary Services & Utilities	0.0% 1.0%					
	Quality Control	0.0% 1.0%					
	Submittals	0.0% 5.0%					
			$ -	$ -	$ -	$ -	$ -
B.2	General Conditions (4.25%)						
			$ -	$ -	$ -	$ -	$ -
	Part B Total		$ -	$ -	$ -	$ -	$ -
	PART A through B SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART C	Construction Cost Contingencies						
C.1	Design-Phased Scope Contingencies	Range % Low to High	Enter % in Appropriate Column				
	Preliminary Engineering Analysis	15.0% 20.0%					
	Working Drawings	2.0% 10.0%					
			$ -	$ -	$ -	$ -	$ -
C.2	Facility or Project Constructability		Enter % in Appropriate Column				
	Facility or Project Type and Complexity	(See IG for Values)					
			$ -	$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies	Range % Low to High	Enter % in Appropriate Column				
	Access Contingencies	1.0% 4.0%					
	Storage Contingencies	1.0% 4.0%					
	Staging Contingencies	1.0% 4.0%					
			$ -	$ -	$ -	$ -	$ -
C.4	Economies of Scale	0.0%					
			0%	0%	0%	0%	0%
			$ -	$ -	$ -	$ -	$ -
	Part C Total		$ -	$ -	$ -	$ -	$ -
	PART A through C SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART D	General Contractor's Overhead and Profit						
D.1	GC's Home Office Overhead	5.0%					
			$ -	$ -	$ -	$ -	$ -
D.2	GC's Insurance, Payment & Performance Bonds	3.3%					
			$ -	$ -	$ -	$ -	$ -
D.3	General Contractor's Profit	New Construction 10.0% Repair/Retrofit 10.0%	Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Contruction / Repair/Retrofit				
			$ -	$ -	$ -	$ -	$ -
	Part D Total		$ -	$ -	$ -	$ -	$ -
	PART A through D SUBTOTAL		$ -	$ -	$ -	$ -	$ -

City of New Orleans - Joe Brown Park- Site Sheet 1

		Wind	Flood	$ -	$ -	$ -	Total
PART E	Cost Escalation Factors						
E	Cost Escalation Factor (CEF)			$ -	$ -	$ -	$ -	$ -	$ -
	PART A through E SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART F	Plan Review and Construction Permit Cost						
F.1	Plan Review Fees						
	(List Individual Requirements Separately)						
		$ -	$ -	$ -	$ -	$ -	$ -
F.2	Construction Permit Fees						
	(List Individual Requirements Separately)						
		$ -	$ -	$ -	$ -	$ -	$ -
	Part F Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through F SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART G	Applicant's Reserve for Change Orders						
G	Applicant's Reserve for Change Orders 2.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
	PART A through G SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART H	Applicant's Project Management and Design Costs						
H.1	Applicant's Project Management - Design Phase 1.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
H.2	A/E Design Contract Cost						
	Above Average Complexity (Curve A) ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
	Average Complexity (Curve B) ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
	Basic Construction Inspection Services ☐ 0%	$ -	$ -	$ -	$ -	$ -	
		$ -	$ -	$ -	$ -	$ -	$ -
H.3	Project Management - Construction Phase 5.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
	Part H Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through H SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
	TOTAL OF COMPLETED WORK						$0

City of New Orleans - Joe Brown Park- Site Sheet 1

		Wind	Flood	$ -	$ -	$ -	Total
PART A	"Base Costs" for Construction Work-In Trades						
A.1	Permanent Work from Part A.2 of this Sheet	$ 35,041	$ 216,666				$ 251,707
A.2	Non-Permanent Work Specific Work (from Part A.2 of this Sheet)						$ -
	Part A Total	$ 35,041	$ 216,666	$ -	$ -	$ -	$ 251,707
PART B	General Requirements and General Conditions						
B.1	General Requirements (2.25%)						
	Safety & Security - Airports, Ports & Govt. Owned Marinas (4.0% / 6.0%)	0.00%	0.00%	Added percentages & Part G			
	Temporary Services & Utilities (0.0% / 1.0%)	0.00%	0.00%	Added percentages			
	Quality Control (0.0% / 1.0%)	0.50%	0.50%	Added percentages			
	Submittals (0.0% / 5.0%)	1.00%	1.00%	Added percentages			
		$ 526	$ 3,250	$ -	$ -	$ -	$ 3,776
B.2	General Conditions (4.25%)	☑	☑	☐	☐	☐	
		$ 1,489	$ 9,208	$ -	$ -	$ -	$ 10,698
	Part B Total	$ 2,015	$ 12,458	$ -	$ -	$ -	$ 14,473
	PART A through B SUBTOTAL	$ 37,056	$ 229,124	$ -	$ -	$ -	$ 266,180
PART C	Construction Cost Contingencies						
C.1	Design Phase Scope Contingencies (Low / High)						
	Preliminary Engineering Analysis (15.0% / 20.0%)	10.00%	10.00%	Added 10% contingency			
	Working Drawings (2.0% / 10.0%)	0.00%	0.00%	Deleted 5% contingency			
		$ 3,706	$ 22,912	$ -	$ -	$ -	$ 26,618
C.2	Facility or Project Constructability						
	Facility or Project Type and Complexity (See IG for Values)						
		$ -	$ -	$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies (Low / High)						
	Access Contingencies (1.0% / 4.0%)	1.00%	1.00%				
	Storage Contingencies (1.0% / 4.0%)	1.00%	1.00%				
	Staging Contingencies (1.0% / 4.0%)	1.00%	1.00%				
		$ 1,112	$ 6,874	$ -	$ -	$ -	$ 7,985
C.4	Economies of Scale (0.0%)	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
	Part C Total	$ 4,817	$ 29,786	$ -	$ -	$ -	$ 34,603
	PART A through C SUBTOTAL	$ 41,873	$ 258,910	$ -	$ -	$ -	$ 300,783
PART D	General Contractor's Overhead and Profit						
D.1	GC's Home Office Overhead (7.7%)	☑	☑	☐	☐	☐	
		$ 3,224	$ 19,936	$ -	$ -	$ -	$ 23,160
D.2	GC's Insurance, Payment & Performance Bonds (3.3%)	☑	☑	☐	☐	☐	
		$ 1,382	$ 8,544	$ -	$ -	$ -	$ 9,926
D.3	General Contractor's Profit (New Construction 10.0% / Repair/Retrofit 10.0%)	Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Construction ☐ Repair/Retrofit ☑					
		☑	☑	☐	☐	☐	
		$ 4,648	$ 28,739	$ -	$ -	$ -	$ 33,387
	Part D Total	$ 9,254	$ 57,219	$ -	$ -	$ -	$ 66,473
	PART A through D SUBTOTAL	$ 51,127	$ 316,129	$ -	$ -	$ -	$ 367,257

City of New Orleans - Joe Brown Park- Site Sheet 1

			Wind	Flood	$ -	$ -	$ -	Total
PART E	Cost Escalation Factors							
E	Cost Escalation Factor	14 0.925%	$ 6,621	$ 40,939	$ -	$ -	$ -	$ 47,560
	PART A through E SUBTOTAL		$ 57,748	$ 357,066	$ -	$ -	$ -	$ 414,816
PART F	Plan Review and Construction Permit Cost							
F.1	Plan Review Fee							
	New Orleans Plan Review Fees = 1/10% of construction cost ($50 minimum)		$ 50	$ 357				
			$ 50	$ 357	$ -	$ -	$ -	$ 407
F.2	Construction Permit Fees							
	New Orleans Building Permit Fee = $50 + 1/2% of Construction Cost		$ 339	$ 1,785				
			$ 339	$ 1,785	$ -	$ -	$ -	$ 2,124
	Part F Total		$ 389	$ 2,142	$ -	$ -	$ -	$ 2,531
	PART A through F SUBTOTAL		$ 58,137	$ 359,210	$ -	$ -	$ -	$ 417,347
PART G	Applicant's Reserve for Change Orders							
G	Applicant's Reserve for Change Orders	6.5%	☑	☑	☐	☐	☐	
			$ 3,789	$ 23,410	$ -	$ -	$ -	$ 27,199
	PART A through G SUBTOTAL		$ 61,926	$ 382,620	$ -	$ -	$ -	$ 444,546
PART H	Applicant's Project Management and Design Costs							
H.1	Applicant's Project Management - Design Phase	1.0%	☑	☑	☐	☐	☐	
			$ 619	$ 3,826	$ -	$ -	$ -	$ 4,445
H.2	A/E Design Contract Cost							
	Above Average Complexity (Curve A)	☐	8.7%	$ -	$ -	$ -	$ -	$ -
	Average Complexity (Curve B)	☑	7.1%	$ 4,410	$ 27,249	$ -	$ -	$ -
	Basic Construction Inspection Services	☐	3.0%	$ -	$ -	$ -	$ -	$ -
				$ 4,410	$ 27,249	$ -	$ -	$ -	$ 31,660
H.3	Project Management - Construction Phase	6.0%	☑	☑	☐	☐	☐	
			$ 3,716	$ 22,957	$ -	$ -	$ -	$ 26,673
	Part H Total		$ 8,745	$ 54,033	$ -	$ -	$ -	$ 62,778
	PART A through H SUBTOTAL		$ 70,671	$ 436,653	$ -	$ -	$ -	$ 507,324
	TOTAL OF UNCOMPLETED WORK							$507,324

Total Project Summary

City of New Orleans - Joe Brown Park- Site Sheet 1

		Completed	Uncompleted	Total
PART A	"Base Costs" for Construction Work In Trades	$ -	$ 251,707	$ 251,707
A.1	Permanent Work	$ -	$ 251,707	$ 251,707
A.2	Non-Permanent Job Specific Work (From Part A Estimate)	$ -	$ -	$ -
PART B	General Requirements and General Conditions	$ -	$ 14,473	$ 14,473
B.1	General Requirements	$ -	$ 3,776	$ 3,776
B.2	General Conditions	$ -	$ 10,698	$ 10,698
PART C	Construction Cost Contingencies (Design and Construction)	$ -	$ 34,603	$ 34,603
C.1	Standard Design-Phase Scope Contingencies	$ -	$ 26,618	$ 26,618
C.2	Facility or Project Constructability	$ -	$ -	$ -
C.3	Access, Storage, and Staging Contingencies	$ -	$ 7,985	$ 7,985
C.4	Economies of Scale in New Construction	$ -	$ -	$ -
PART D	General Contractor's Overhead and Profit	$ -	$ 66,473	$ 66,473
D.1	General Contractor's Home Office Overhead Costs	$ -	$ 23,160	$ 23,160
D.2	General Contractor's Insurance, Payment, and Performance Bonds	$ -	$ 9,926	$ 9,926
D.3	Contractor's Profit	$ -	$ 33,387	$ 33,387
PART E	Cost Escalation Allowance	$ -	$ 47,560	$ 47,560
PART F	Plan Review and Construction Permit Costs	$ -	$ 2,531	$ 2,531
F.1	Plan Review Fees	$ -	$ 407	$ 407
F.2	Construction Permit Fees	$ -	$ 2,124	$ 2,124
PART G	Applicant's Reserve for Construction	$ -	$ 27,199	$ 27,199
PART H	Applicant's Project Management and Design Costs	$ -	$ 62,778	$ 62,778
H.1	Applicant's Project Management - Design Phase	$ -	$ 4,445	$ 4,445
H.2	Architecture & Engineering Design Contract Costs	$ -	$ 31,660	$ 31,660
H.3	Project Management - Construction Phase	$ -	$ 26,673	$ 26,673
	Complete Project Total for Completed and Uncompleted Work	$ -	$ 507,324	$ 507,324

Federal Emergency Management Agency

SITE # 2 OF 7

Applicant: City of New Orleans | **Project Ref. #** CNO-PK1

Damaged Facility Name/Function: Joe Brown –Baseball Fields 1, 2, & 3

Address of Facility if a Building: 5601 Read Blvd.

City New Orleans | **State** LA | **Zip** 70127

Site Latitude N 30.02811 | **Site Longitude** W -89.96840

#2 LOCATION

Directions to the Damaged Facility:

Park is located within the quadrant between Read Blvd, Lake Forest Blvd, Dwyer Rd., and Wright Rd.

#3 DAMAGE DESCRIPTION and DIMENSIONS

General

Original Damages written in the following PWs; PW #2398V0, Version 1, Version 2, Version 3

BASED ON OBSERVATIONS MADE DURING THE INITIAL SITE VISIT ON NOVEMBER 22, 2005, THE JOE BROWN MEMORIAL PARK BASEBALL FIELDS (3) WERE ADVERSELY AFFECTED BY HIGH WINDS, HEAVY RAINS AND SURGE FLOODING. THE DAMAGE TO THE FIELDS AND ASSOCIATED STRUCTURES IS DESCRIBED AND SHOWN ON THE ATTACHED CONTINUATION SHEETS.

ANY STRUCTURES ASSOCIATED WITH THE BASEBALL FIELDS ARE NOT CONSIDERED HISTORICAL. THIS PROJECT WORKSHEET WAS DEVELOPED USING REPRESENTATIVES FROM THE FEMA BUILDING TECHNICAL, HISTORICAL AND ENVIRONMENTAL UNITS. THE SCOPE OF WORK FOR THE ELIGIBLE REPAIRS WAS DEVELOPED USING INPUT FROM ALL TEAM MEMBERS TO ASSURE COMPLIANCE WITH SPECIAL CONDITIONS REQUIRED UNDER NEPA.

HAZARD MITIGATION (HM) OPPORTUNITIES WERE DISCUSSED WITH THE APPLICANT. IT WAS DETERMINED THAT THERE WERE NO VIABLE OR ECONOMICAL HM OPPORTUNITIES TO PROTECT THE ITEMS THAT WERE DAMAGED FROM THE EVENT THAT OCCURRED.

LIGHTING NOTE(S):
Floodlight Condition Analysis – Due to possible affects from the declared disaster, all individual high mast floodlights require verification that they are electrically operational, as well as correctly aligned for their intended purpose. For purposes of development of this PW, a cost covering replacement of up to 50% of total floodlight lamps present at the facility is assumed. This total cost will be subject to verification and possible readjustment by the A/E.

High Mast Lighting Electrical Analysis – Due to possible damaging affects from the declared disaster, all subgrade high mast floodlight electrical wiring is included in this PW as requiring repull/replacement. Details regarding engineering analysis and cost justification for this task is noted on the Cost Justification sheet in the attachment section of this PW.

FACILITY FUNCTION:
The Baseball Fields are used by the general public for baseball playing and other recreational activities. The three (3) designated fields are in different areas of the park, and each field is accompanied by grandstand seating, chain-link fencing and various other amenities. Grandstand seating is not considered damaged at any of the ballfields, and therefore not included within this damage assessment report.

3A What caused the damage

Facility sustained Flood Damage

3B What were the damages, caused by the disaster and their physical dimensions?

Joe Brown Park Baseball Field #1:

Description: - Baseball Field 1 is located within the northwest area of Joe Brown Memorial Park. Baseball Field 1 fencing includes a chain-link backstop, a double-swing chain-link gate along the first base line, with a 12-ft. wide swing opening, located next to the first base dugout, and two (2) chain-link dugouts. Baseball Field 1 perimeter fencing length is calculated at 1,264 LF.

Damages:
Floodwater forces damaged or destroyed perimeter chain-link fencing (6-ft. high, calculated at 1,264-ft. in length) for the ballfield, and the fencing requires replacement;
Wind and floodwater forces damaged or destroyed two (2) 6-ft. chain-link dugouts and the dugouts require replacement;
Wind and floodwater forces damaged or destroyed a 6-ft. high, 12-ft. wide double-swing chain-link gate located along the first base line and the gate requires replacement;

Joe Brown Park Baseball Field #2:

Description - Baseball Field 2 is located to the southeast of Baseball Field 1 within Joe Brown Memorial Park. Baseball Field 2 fencing includes a chain-link backstop and a double-swing chain-link gate along the first base line, with a 20-ft. wide swing opening, located near the grandstand seating. Baseball Field 2 has eight (8) high mast light structures distributed along the ballfield perimeter at various locations, with an average of five (5) floodlights per pole, totaling 40 floodlights for the site. Baseball Field 2 perimeter fencing length is calculated at 1,031 LF.

Damages:
Floodwater forces damaged or destroyed perimeter chain-link fencing (6-ft. high, calculated at 1,031-ft. in length) for the ballfield, and the fencing requires replacement;
Wind and floodwater forces damaged or destroyed a 20-ft. wide double-swing chain-link fencing gate, and the fencing gate requires replacement;
Wind forces impacted eight (8) high mast floodlight structures and the floodlights and lamps may require replacement and/or directional reorientation;
Floodwaters inundated the junction boxes, circuit panels, switchgear and subgrade electrical system to the high mast lighting network, and the subgrade electrical system and switchgear requires replacement;

Joe Brown Park Baseball Field #3:

Description: Baseball Field 3 is located to the northeast of Baseball Field 2 within Joe Brown Memorial Park. Baseball Field 3 fencing includes a chain-link backstop and two (2) chain-link dugouts. There is a existing 10-ft. x 15-ft. wooden portable storage building located along the third base line. Baseball Field 3 perimeter fencing length is calculated at 1,386 LF.

Damages:

Floodwater forces damaged or destroyed perimeter chain-link fencing (6-ft. high, calculated at 1,386-ft. in length) for the ballfield, and the fencing requires replacement;
Wind and floodwater forces damaged or destroyed two (2) 6-ft. chain-link dugouts and the dugouts require replacement;
Wind and floodwater forces damaged or destroyed portions of the backstop 15-ft. chain-link fencing, and the fencing requires replacement (15-ft. chain-link fencing, 900 SF total);
Wind and floodwater forces damaged or destroyed a 10-ft. x 15-ft. wooden portable storage building, and the building requires replacement

SCOPE OF WORK (*work required to bring facility back to pre-disaster condition*)

4A What repairs have been completed?
No repairs done as of yet

#4B What repairs still need to be completed?

Joe Brown Park Baseball Field #1:

Demolish and remove existing fencing along the Baseball Field 1 perimeter and the existing dugouts (calculated at 1,364 LF total of 6-ft. chain-link fencing);
Reinstall new chain-link fencing around the perimeter of Baseball Field 1 (6-ft. high, calculated perimeter fence length of 1,264 LF), and reinstall two (2) new chain-link fence dugouts (6-ft. high, calculated dugout fencing length of 50 LF per each dugout, 100 LF total);
Reinstall one (1) new 12-ft. wide double-swing chain-link gate along the first base line;

Joe Brown Park Baseball Field #2:

Demolish and remove existing fencing along the Baseball Field 2 perimeter and the existing dugouts (calculated at 1,031 LF total of 6-ft. chain-link fencing);
Reinstall one (1) new 20-ft. wide double-swing chain-link gate along the first base line;
Inspect high mast lighting floodlight lamps for electrical operation and orientation. This includes replacing bad or missing lamps where necessary, and checking all lamps (old and new) for directional orientation, and re-adjusting the orientation where necessary. Up to twenty (20) lamps of forty (40) total observed floodlight lamps have potential damage and/or require replacement;
Remove and replace all electrical components within the flood water depth that are associated with the high mast lighting system. This includes circuit breaker panels, junction boxes, switchgear and/or any other associated electrical components associated with the high mast lighting system that were within the flood water depth. Wiring shall be re-pulled for Baseball Field No. 2 as well as the electrical line segment between the switchgear and Transformer Vault No. 7. Wiring for the high mast lights and up to Transformer Vault No. 7 shall be re-pulled through existing subgrade conduit

Joe Brown Park Baseball Field #3:

Demolish and remove existing fencing along the Baseball Field 3 perimeter and the existing dugouts (calculated at 1,386 LF total of 6-ft. chain-link fencing);
Reinstall new chain-link fencing around the perimeter of Baseball Field 3 (6-ft. high, calculated perimeter fence length of 1,386 LF), and reinstall two (2) new chain-link fence dugouts (6-ft. high, calculated dugout fencing length of 50 LF per each dugout, 100 LF total);
Reinstall new 15-ft. chain-link fencing to replace the damaged/destroyed portions of the backstop 15-ft. chain-link fencing (15-ft. chain-link fencing, 900 SF total);
Replace the damaged 10-ft. x 15-ft. wooden portable storage building along the third base line

#4C What are the cost of the damage repairs? (Item/Quantity/Cost)

WORK COMPLETED:

WORK TO BE COMPLETED:
Flooding Damage: $ 208,678.00
Wind Damage: $ 0.00
Total: $$ 208,678.00

CEF Fact Sheet

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

Date of Estimate:	November 22, 2005
FEMA Region:	Region VI
Preparer(s):	Jay W. Dean
Applicant Name:	City of New Orleans
Project Title:	Joe Brown Memorial Park- Site Sheet 2
Damaged Facility:	Baseball Fields 1, 2 and 3
Declaration Number:	1603 LA
Project Number:	CP - 68
PA ID No.:	071-55000-00
Date of Inspection:	November 22, 2005
Event Date(s)	August 29, 2005
Work Category:	G
Type of Work: *(Enter New, Repair, etc.)*	Repair Repair Repair
Scope:	Repair and replace elements damaged from high winds and flood waters as a result of Hurricane Katrina on August 29,2005 and the continuing events. Complete exterior repairs to the Joe Brown Memorial Park Baseball Fields 1, 2 and 3, including fencing, high mast lighting and other amenities.

CEF Notes

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

Damaged Facility:		Baseball Fields 1, 2 and 3
Applicant Name:		City of New Orleans
Project Number:		CP - 68
Date of Estimate:		November 22, 2005
Preparer(s):		Jay W. Dean
Part A Notes:	A.1 -	Estimate prepared using RS Means data.
	A.2 -	No non-permanent work required on this project.
Part B Notes:	B.1 -	5% allowed for Safety and Security issues due to highmast lighting work in Baseball Field 2 only; 4% included for remaining two (2) fields. 1% allowed for temporary electrical services required to complete repairs. 1/2% allowed for Quality Control to oversee electrical requirements. 1% allowed for electrical and other materials submittals.
	B.2 -	Box is checked because a General Contractor will be managing the project.
Part C Notes:	C.1 -	2% allowance for lack of available working drawings.
	C.2 -	0% allowed as project scope is not judged complicated.
	C.3 -	0% allowed as site has no out of ordinary access conditions, and sufficient staging area exists on site.
	C.4 -	0% allowed based on size of the project.
Part D Notes:	D.1 -	Project will be contracted to a General Contractor.
	D.2 -	Project will be contracted to a General Contractor.
	D.3 -	Repair/retrofit box is checked for General Contractor profit.
Part E Notes:	E.1 -	Monthly escalation factor of 0.952 used to midpoint of construction of 6 months.
Part F Notes:	F.1 -	Plan review fees for New Orleans are 1/10% of construction cost.
	F.2 -	Building permit fees are $50 + 1/2% of construction cost.
Part G Notes:	G.1 -	Change order box checked to account for inaccuracies in eligible unit quantities at this stage. No design documentation exists.
Part H Notes:	H.1 -	Applicant will be managing the selected A/E firm during the design process.
	H.2 -	Average design fee curve B used due to simple scope and design requirements.
	H.3 -	Applicant will be managing the selected A/E firm during the construction phase, and will require management fees.
Miscellaneous Notes & Comments: *Use mouse to Activate Cursor:*		

CEF Part A Estimate

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
Completed							
	Permanent						
					$ -		$ -
						Completed - Permanent Total	$ -
	Non-Permanent						
					$ -		$ -
						Completed - Non-Permanent Total	$ -
Uncompleted							
	Permanent						
	Baseball Field 1						
1	Demolish damaged fencing and dugouts	02220-220-1700	1,264.00	LF	$ 2.13	0.86	$ 2,315.40
2*	Install new 6-ft. chain link fencing and 2 dugouts	02820-130-0800	1,364.00	LF	$ 22.58	0.86	$ 26,487.24
3	Replace 6-ft. high, 12-ft. opening fencing gate	02820-130-5060	1.00	EA	$ 973.00	0.86	$ 836.78
	Total Baseball Field 1						$ 29,639.42
	Baseball Field 2						
4	Demolish damaged fencing	02220-220-1700	1,031.00	LF	$ 2.13	0.86	$ 1,888.59
5	Install new 6-ft. chain link fencing	02820-130-0800	1,031.00	LF	$ 22.58	0.86	$ 20,020.76
6	Replace 6-ft. high, 20-ft. opening fencing gate	02820-130-5070	1.00	EA	$ 1,305.50	0.86	$ 1,122.73
7*	Re-pull electrical wiring to high mast lights	Engr. Estimate	1,700.00	LF	$ 3.55	1.00	$ 6,035.00
8*	Terminate re-pull connections	Engr. Estimate	8.00	EA	$ 111.84	1.00	$ 894.72
9	Replace damaged/missing floodlights	16520-300-2600	20.00	EA	$ 663.00	0.86	$ 11,403.60
10*	Restore orientation of high mast floodlamps	Engr. Estimate	20.00	EA	$ 163.00	1.00	$ 3,260.00
11*	Replace switchgear box/connections	Engr. Estimate	1.00	EA	$ 5,000.00	1.00	$ 5,000.00
	Total Baseball Field 2						$ 49,625.42
	Baseball Field 3						
12	Demolish damaged fencing	02220-220-1700	1,386.00	LF	$ 2.13	0.86	$ 2,538.87
13*	Install new 6-ft. chain link fencing and 2 dugouts	02820-130-0800	1,486.00	LF	$ 22.58	0.86	$ 28,856.34
14*	Install new 15-ft. chain link fencing	02820-420-1200	900.00	SF	$ 1.67	0.86	$ 1,292.58
15*	Replace 10-ft. x 15-ft. portable storage building	Engr. Estimate	1.00	EA	$ 3,000.00	1.00	$ 3,000.00
	Total Baseball Field 3						$ 35,687.79
						Uncompleted - Permanent Total	$ 114,952.63
	Non-Permanent						
					$ -		$ -
						Uncompleted - Non-Permanent Total	$ -
						TOTAL PART A BASE CONSTRUCTION COST	$ 114,952.63

* SEE ATTACHED SHEET FOR ENGINEERING COST JUSTIFICATION NOTES

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

		Repair	Repair	Repair	$ -	$ -	Total
PART A	"Base Costs" for Construction Work-in Trades						
A.1	Demolition Work (from Part A Estimate)						$ -
A.2	Non-Permanent Job Specific Work (from Part A Estimate)						$ -
	Part A Total	$ -	$ -	$ -	$ -	$ -	$ -
PART B	General Requirements and General Conditions						
B.1	General Requirements	Range Low to High	Enter % in Appropriate Column				
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0% 6.0%					
	Temporary Services & Utilities	0.0% 1.0%					
	Quality Control	0.0% 1.0%					
	Submittals	0.0% 5.0%					
			$ -	$ -	$ -	$ -	$ -
B.2	General Conditions (4.25%)						
			$ -	$ -	$ -	$ -	$ -
	Part B Total		$ -	$ -	$ -	$ -	$ -
	PART A through B SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART C	Construction Cost Contingencies						
C.1	Design Phase Scope Contingencies	Range Low to High	Enter % in Appropriate Column				
	Preliminary Engineering Analysis	15.0% 20.0%					
	Working Drawings	2.0% 10.0%					
			$ -	$ -	$ -	$ -	$ -
C.2	Facility or Project Constructability		Enter % in Appropriate Column				
	Facility or Project Type and Complexity	(See IG for Values)					
			$ -	$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies	Range Low to High	Enter % in Appropriate Column				
	Access Contingencies	1.0% 4.0%					
	Storage Contingencies	1.0% 4.0%					
	Staging Contingencies	1.0% 4.0%					
			$ -	$ -	$ -	$ -	$ -
C.4	Economies of Scale	0.0%					
			0%	0%	0%	0%	0%
			$ -	$ -	$ -	$ -	$ -
	Part C Total		$ -	$ -	$ -	$ -	$ -
	PART A through C SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART D	General Contractor's Overhead and Profit						
D.1	GC's Home Office Overhead	7.7%					
			$ -	$ -	$ -	$ -	$ -
D.2	GC's Insurance, Payment & Performance Bonds	3.3%					
			$ -	$ -	$ -	$ -	$ -
D.3	General Contractor's Profit	New Construction 10.0% Repair/Retrofit 10.0%	Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Contruction Repair/Retrofit				
			$ -	$ -	$ -	$ -	$ -
	Part D Total		$ -	$ -	$ -	$ -	$ -
	PART A through D SUBTOTAL		$ -	$ -	$ -	$ -	$ -

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

		Repair	Repair	Repair	$ -	$ -	Total
PART E	Cost Escalation Factors						
E	Cost Escalation Factor						
		$ -	$ -	$ -	$ -	$ -	$ -
	PART A through E SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART F	Plan Review and Construction Permit Cost						
F.1	Plan Review Fees						
	New Orleans Plan Review Fees = 1/10% of construction cost						
		$ -	$ -	$ -	$ -	$ -	$ -
F.2	Construction Permit Fees						
	New Orleans Building Permit Fee = $50 + 1/2% of Construction Cost						
		$ -	$ -	$ -	$ -	$ -	$ -
	Part F Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through F SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART G	Applicant's Reserve for Change Orders						
G	Applicant's Reserve for Change Orders 0.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
	PART A through G SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART H	Applicant's Project Management and Design Costs						
H.1	Applicant's Project Management & Design Phase 0.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
H.2	A/E Design Contract Cost						
	Above Average Complexity (Curve A) ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
	Average Complexity (Curve B) ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
	Basic Construction Inspection Services ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
		$ -	$ -	$ -	$ -	$ -	$ -
H.3	Project Management - Construction Phase 0.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
	Part H Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through H SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
	TOTAL OF COMPLETED WORK						$0

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

			Repair	Repair	Repair	$ -	$ -	Total
PART A	Base Costs for Construction Work-in-Trades							
A.1	Building Work Contractor's Estimate		$ 29,639	$ 49,625	$ 35,688			$ 114,952
A.2	Non-Performance Specific Work (Fish & Wildlife)							$ -
	Part A Total		$ 29,639	$ 49,625	$ 35,688	$ -	$ -	$ 114,952
PART B	General Requirements and General Conditions							
B.1	General Requirements	Range Low to High	Enter % in Appropriate Column					
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0% 6.0%	4.00%	5.00%	4.00%			
	Temporary Services & Utilities	0.0% 1.0%	1.00%	1.00%	1.00%			
	Quality Control	0.0% 1.0%	0.50%	0.50%	0.50%			
	Submittals	0.0% 5.0%	1.00%	1.00%	1.00%			
			$ 1,927	$ 3,722	$ 2,320	$ -	$ -	$ 7,968
B.2	General Conditions (4.25%)		☑	☑	☑	☐	☐	
			$ 1,260	$ 2,109	$ 1,517	$ -	$ -	$ 4,885
	Part B Total		$ 3,186	$ 5,831	$ 3,836	$ -	$ -	$ 12,854
	PART A through B SUBTOTAL		$ 32,825	$ 55,456	$ 39,525	$ -	$ -	$ 127,806
PART C	Construction Cost Contingencies							
C.1	Design Phase Scope Contingencies	Range Low to High	Enter % in Appropriate Column					
	Preliminary Engineering Analysis	15.0% 20.0%	0.00%	0.00%	0.00%			
	Working Drawings	2.0% 10.0%	2.00%	2.00%	2.00%			
			$ 657	$ 1,109	$ 790	$ -	$ -	$ 2,556
C.2	Facility or Project Constructability		Enter % in Appropriate Column					
	Facility or Project Type and Complexity	(See IG for Values)	0.00%	0.00%	0.00%			
			$ -	$ -	$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies	Range Low to High	Enter % in Appropriate Column					
	Access Contingencies	1.0% 4.0%	0.00%	0.00%	0.00%			
	Storage Contingencies	1.0% 4.0%	0.00%	0.00%	0.00%			
	Staging Contingencies	1.0% 4.0%	0.00%	0.00%	0.00%			
			$ -	$ -	$ -	$ -	$ -	$ -
C.4	Economies of Scale	0.0%	☑	☑	☑	☐	☐	
			$ -	$ -	$ -	$ -	$ -	$ -
	Part C Total		$ 657	$ 1,109	$ 790	$ -	$ -	$ 2,556
	PART A through C SUBTOTAL		$ 33,482	$ 56,565	$ 40,315	$ -	$ -	$ 130,362
PART D	General Contractor's Overhead and Profit							
D.1	GC's Home Office Overhead	7.7%	☑	☑	☑	☐	☐	
			$ 2,578	$ 4,356	$ 3,104	$ -	$ -	$ 10,038
D.2	GC's Insurance, Payment & Performance Bonds	4.5%	☑	☑	☑	☐	☐	
			$ 1,105	$ 1,867	$ 1,330	$ -	$ -	$ 4,302
D.3	General Contractor's Profit	New Construction 10.0% Repair/Retrofit 10.0%	Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Construction ☐ Repair/Retrofit ☑					
			☑	☑	☑	☐	☐	
			$ 3,716	$ 6,279	$ 4,475	$ -	$ -	$ 14,470
	Part D Total		$ 7,399	$ 12,501	$ 8,910	$ -	$ -	$ 28,810
	PART A through D SUBTOTAL		$ 40,881	$ 69,066	$ 49,225	$ -	$ -	$ 159,172

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

		Months	Monthly Rate	Repair	Repair	Repair	$ -	$ -	Total
PART E	Cost Escalation Factors								
E	Cost Escalation - 6 Months	6	0.952%	$ 2,335	$ 3,945	$ 2,812	$ -	$ -	$ 9,092
	PART A through E SUBTOTAL			$ 43,216	$ 73,011	$ 52,037	$ -	$ -	$ 168,264
PART F	Plan Review and Construction Permit Cost								
F.1	Plan Review Fees								
	New Orleans Plan Review Fees = 1/10% of construction cost			$ 43	$ 73	$ 52			
				$ 43	$ 73	$ 52	$ -	$ -	$ 168
F.2	Construction Permit Fees								
	New Orleans Building Permit Fee = $50 + 1/2% of Construction Cost			$ 266	$ 415	$ 310			
				$ 266	$ 415	$ 310	$ -	$ -	$ 991
	Part F Total			$ 309	$ 488	$ 362	$ -	$ -	$ 1,160
	PART A through F SUBTOTAL			$ 43,526	$ 73,499	$ 52,399	$ -	$ -	$ 169,424
PART G	Applicant's Reserve for Change Orders								
G	Applicant's Reserve for Change Orders - 7.0%			☑	☑	☑	☐	☐	
				$ 3,047	$ 5,145	$ 3,668	$ -	$ -	$ 11,860
	PART A through G SUBTOTAL			$ 46,572	$ 78,644	$ 56,067	$ -	$ -	$ 181,283
PART H	Applicant's Project Management and Design Costs								
H.1	Applicant's Project Management - Design Phase - 1.0%			☑	☑	☑	☐	☐	
				$ 466	$ 786	$ 561	$ -	$ -	$ 1,813
H.2	A/E Design Contract Cost								
	☐ Above Average Complexity (Curve A)		10.3%	$ -	$ -	$ -	$ -	$ -	
	☑ Average Complexity (Curve B)		8.1%	$ 3,778	$ 6,380	$ 4,548	$ -	$ -	
	☐ Basic Construction Inspection Services		5.0%	$ -	$ -	$ -	$ -	$ -	
				$ 3,778	$ 6,380	$ 4,548	$ -	$ -	$ 14,706
H.3	Project Management - Construction Phase - 6.0%			☑	☑	☑	☐	☐	
				$ 2,794	$ 4,719	$ 3,364	$ -	$ -	$ 10,877
	Part H Total			$ 7,038	$ 11,885	$ 8,473	$ -	$ -	$ 27,396
	PART A through H SUBTOTAL			$ 53,610	$ 90,529	$ 64,540	$ -	$ -	$ 208,679
	TOTAL OF UNCOMPLETED WORK								**$208,679**

Total Project Summary

City of New Orleans - Joe Brown Memorial Park- Site Sheet 2

		Completed	Uncompleted	Total
PART A	"Base Costs" for Construction Work In Trades	$ -	$ 114,952	$ 114,952
A.1	Permanent Work	$ -	$ 114,952	$ 114,952
A.2	Non-Permanent Job Specific Work (From Part A Estimate)	$ -	$ -	$ -
PART B	General Requirements and General Conditions	$ -	$ 12,854	$ 12,854
B.1	General Requirements	$ -	$ 7,968	$ 7,968
B.2	General Conditions	$ -	$ 4,885	$ 4,885
PART C	Construction Cost Contingencies (Design and Construction)	$ -	$ 2,556	$ 2,556
C.1	Standard Design-Phase Scope Contingencies	$ -	$ 2,556	$ 2,556
C.2	Facility or Project Constructability	$ -	$ -	$ -
C.3	Access, Storage, and Staging Contingencies	$ -	$ -	$ -
C.4	Economies of Scale in New Construction	$ -	$ -	$ -
PART D	General Contractor's Overhead and Profit	$ -	$ 28,810	$ 28,810
D.1	General Contractor's Home Office Overhead Costs	$ -	$ 10,038	$ 10,038
D.2	General Contractor's Insurance, Payment, and Performance Bonds	$ -	$ 4,302	$ 4,302
D.3	Contractor's Profit	$ -	$ 14,470	$ 14,470
PART E	Cost Escalation Allowance	$ -	$ 9,092	$ 9,092
PART F	Plan Review and Construction Permit Costs	$ -	$ 1,160	$ 1,160
F.1	Plan Review Fees	$ -	$ 168	$ 168
F.2	Construction Permit Fees	$ -	$ 991	$ 991
PART G	Applicant's Reserve for Construction	$ -	$ 11,860	$ 11,860
PART H	Applicant's Project Management and Design Costs	$ -	$ 27,396	$ 27,396
H.1	Applicant's Project Management - Design Phase	$ -	$ 1,813	$ 1,813
H.2	Architecture & Engineering Design Contract Costs	$ -	$ 14,706	$ 14,706
H.3	Project Management - Construction Phase	$ -	$ 10,877	$ 10,877
	Complete Project Total for Completed and Uncompleted Work	$ -	$ 208,679	$ 208,679

Federal Emergency Management Agency

SITE #	3	OF	7

Applicant:	City of New Orleans			**Project Ref. #**	CNO-PK1
Damaged Facility Name/Function:	Joe Brown – Shelter-Concession building				
Address of Facility if a Building:	5601 Read Blvd.				
City	New Orleans	**State**	LA	**Zip**	70127
Site Latitude	N 30.02811	**Site Longitude**	W -89.96840		

#2 LOCATION

Directions to the Damaged Facility:

Park is located within the quadrant between Read Blvd, Lake Forest Blvd, Dwyer Rd., and Wright Rd.

#3 DAMAGE DESCRIPTION and DIMENSIONS

General

Original Damages written in the following PWs; PW # 9307V0, Version 1, Version2, Version3
BASED ON OBSERVATIONS MADE DURING THE INITIAL SITE VISIT ON NOVEMBER 22, 2005, THE JOE BROWN MEMORIAL PARK – SHELTER/CONCESSION BUILDING (BUILDING NO. 347) AND ADJACENT BASEBALL FIELDS, WAS ADVERSELY AFFECTED BY HIGH WINDS, HEAVY RAINS AND SURGE FLOODING.

FACILITY DESCRIPTION:
Shelter/Concession Building No. 347 is a concrete block masonry structure approximately 1,800 square feet in size (45-feet by 40-feet) and serves as a shelter and refreshment center for the adjacent baseball fields. The building contains men's and women's restrooms and rooms for food preparation. There are eight (8) high mast light structures distributed around Baseball Fields 1 and 3 (each structure with six (6) floodlights, totaling 48 lights), and three (3) high mast light structures around Baseball Field 2 (two (2) poles on the infield baseline and one (1) pole on the right field outer perimeter, each structure with two (2) floodlights), for a total of eleven (11) high mast light poles with fifty-four (54) total floodlight lamps for the site.

3A What caused the damage

Facility sustained both wind and Flood Damage

3B What were the damages, caused by the disaster and their physical dimensions?

Joe Brown Park – Shelter / concession:

Flood Damages:
The Shelter/Concession Building and adjacent Baseball Fields were subjected to high winds, driving rain and flood waters of 3.5 to 6-feet high. The following components were damaged during the storm:
Floodwaters inundated the Shelter/Concession Building interior contents, and the interior contents requires clearing and disposal (200CY);
Floodwaters inundated the Shelter/Concession Building interior walls and flooring and exterior walls, and the interior walls and flooring and exterior walls require cleaning (7,150SF total wall and floor area);
Floodwaters inundated the interior utility functionality of the Shelter/Concession Building, and the interior utility functionality requires renovation (1,800 total SF);
Floodwaters inundated the communication system wiring of the Shelter/Concession Building, and the communication system wiring requires replacement (1,800SF, two (2) phone jacks);

3B What were the damages, caused by the disaster and their physical dimensions (continued)?

Joe Brown Park Shelter / Concession:

Floodwaters inundated the interior flooring of the Shelter/Concession Building, and the interior flooring requires replacement (1,650SF);
Floodwaters inundated hollow-metal doors and door frames of the Shelter/Concession Building, along with associated door hardware, and the hollow-metal doors, frames and associated hardware require replacement (8 hollow-metal doors total);
Floodwaters inundated the hinges on the fabricated steel gates on the Shelter/Concession Building, and the hinges require replacement (3 gates);
Floodwaters inundated the existing 40-gallon water heater in the Shelter/Concession Building, and the water heater requires replacement;
Floodwaters inundated a stainless steel double sink in the kitchen area of the Shelter/Concession Building, and the stainless steel double sink requires replacement;
Floodwaters inundated the Shelter/Concession Building interior and exterior walls, and the interior and exterior walls require repainting (3,600SF interior wall area, 1,900SF exterior wall area);
Floodwaters inundated the junction boxes, circuit panels, switchgear and subgrade electrical system to the high mast lighting network, and the subgrade electrical system and switchgear requires replacement;

WIND DAMAGES:
Wind forces damaged or destroyed chain-link fencing and bleachers, and the damaged fencing and bleachers need to be cleared and disposed of (140LF of chain-link fencing, six (6) 5-tier bleachers);
Wind forces damaged or destroyed 6-ft. high chain-link fencing, and the 6-ft. high chain-link fencing needs to be replaced (80LF total);
Wind forces damaged or destroyed 10-ft. high chain-link fencing, and the 10-ft. high chain-link fencing needs to be replaced (60LF total);
Wind forces damaged or destroyed a baseball field chain-link backstop at Baseball Field 1, and the chain-link backstop needs to be replaced;
Wind forces damaged or destroyed six (6) aluminum portable bleachers, and the aluminum portable bleachers need to be replaced (six (6) bleachers total, 5 seating rows each, 15-ft. long);
Wind forces damaged one (1) high mast light pole on the right field outer perimeter of Baseball Field 2, and the pole needs to be reinstalled to the vertical. The pole appears to be leaning approximately 20-degrees from the vertical.
Wind forces impacted eleven (11) high mast floodlight structures and the floodlights and lamps may require replacement and/or directional reorientation

SCOPE OF WORK (*work required to bring facility back to pre-disaster condition*)

4A What repairs have been completed?
No repairs done as of yet

#4B What repairs still need to be completed?

Joe Brown Park – Shelter - Consession

SCOPE OF WORK TO RETURN TO PRE-DISASTER CONDITIONS:

FLOOD DAMAGE

Clear and dispose of all interior contents of the Concession Building (200CY);
Clean all interior and exterior walls and flooring (7,150SF);
Remove and replace all electrical components within the flood water depth that are associated with the Concession Building (1,800 total SF). This includes wall outlets, circuit breaker panels, junction boxes, switchgear and/or any other associated electrical components of the Concession Building that were within the flood water depth. Wiring shall be removed up to the first junction box located above the flood water level;
Replace/reinstall communication system wiring, as applied to alarm systems, internet and phone wiring and emergency lighting (1,800SF, two (2) phone jacks);
Remove and reinstall interior vinyl flooring in the Concession Building (1,650SF);
Remove old and reinstall new hollow-metal doors, and associated hardware, in the Concession Building (8 doors total);
Replace the existing steel hinges on the fabricated steel gates on the Shelter/Concession Building (3 gates);
Install a new replacement 40-gallon water heater in the kitchen area of the Concession Building;
Install a new stainless steel double sink in the kitchen area of the Concession Building;
Repaint all interior and exterior walls of the Concession Building (3,600SF interior wall area, 1,900SF exterior wall area);
Remove and replace all electrical components within the flood water depth that are associated with the high mast lighting system. This includes circuit breaker panels, junction boxes, switchgear and/or any other associated electrical components associated with the high mast lighting system that were within the flood water depth. Wiring shall be removed up to the first junction box located above the flood water lever. Wiring for the high mast lights shall be re-pulled through existing subgrade conduit;

WIND DAMAGE

Demolish and remove existing damaged 6-ft. and 10-ft. chain-link fencing and bleachers (80-feet of 6-ft. fencing and 60-feet of 10-ft. fencing; six (6) 5-tier aluminum bleachers);
Reinstall new 6-ft. chain-link fencing (80-feet total);
Reinstall new 10-ft. chain-link fencing (60-feet total);
Repair/replace the existing chain-link backstop at Baseball Field 1;
Replace six (6) damaged aluminum portable bleachers (six (6) bleachers total, 5 seating rows each, 15-ft. long);
Replace/reinstall to the vertical the high mast light pole on the right field outer perimeter of Baseball Field 2;
Inspect high mast lighting floodlight lamps on eleven (11) high mast floodlight structures for electrical operation and orientation. This includes replacing bad or missing lamps where necessary, and checking all lamps (old and new) for directional orientation, and re-adjusting the orientation where necessary. Up to twenty-seven (27) lamps of fifty-four (54) total observed floodlight lamps have potential damage and/or require replacement.

#4C What are the cost of the damage repairs? (Item/Quantity/Cost)

WORK COMPLETED:

WORK TO BE COMPLETED:
Flooding Damage: $137,366.00
Wind Damage: $ 100,390.00
Total: $237,756.00

CEF Fact Sheet

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

Date of Estimate:	November 22, 2005
FEMA Region:	Region VI
Preparer(s):	Jay W. Dean
Applicant Name:	City of New Orleans
Project Title:	Joe Brown Memorial Park-Site Sheet 3
Damaged Facility:	Shelter/Concession Bldg. No. 347,Baseball Fields
Declaration Number:	1603 LA
Project Number:	CP - 67
PA ID No.:	071-55000-00
Date of Inspection:	November 22, 2005
Event Date(s)	August 29, 2005
Work Category:	E
Type of Work: *(Enter New, Repair, etc.)*	Flood Repair
	Wind Repair
Scope:	Repair and replace elements damaged from high winds and flood waters as a result of Hurricane Katrina on August 29, 2005 and the continuing events. Complete interior and exterior repairs to the Joe Brown Memorial Park Shelter/Concession Building No. 347 and the adjacent baseball fields. NOTE: Under the CEF "Summary for Uncompleted Work", Flood Repair work is listed in the first column and Wind Repair work is listed in the second column.

CEF Notes

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

Damaged Facility:		Shelter/Concession Bldg. No. 347,Baseball Fields
Applicant Name:		City of New Orleans
Project Number:		CP - 67
Date of Estimate:		November 22, 2005
Preparer(s):		Jay W. Dean
Part A Notes:	A.1 -	Estimate prepared using primarily RS Means data, with some engineer estimates.
	A.2 -	No non-permanent work required on this project.
Part B Notes:	B.1 -	5% allowed for Safety and Security issues due to highmast lighting work. 1% allowed for temporary construction facilities and safety staging. 1/2% allowed for Quality Control to oversee electrical requirements. 1% allowed for electrical and other materials submittals.
	B.2 -	Box is checked because a General Contractor will be managing the project.
Part C Notes:	C.1 -	2% allowance for lack of available working drawings.
	C.2 -	0% allowed as project scope is not judged complicated.
	C.3 -	0% allowed as site has no out of ordinary access conditions, and sufficient staging area exists on site.
	C.4 -	0% allowed based on size of the project.
Part D Notes:	D.1 -	Standard contract allowed for General Contractor.
	D.2 -	Standard contract allowed for General Contractor.
	D.3 -	Standard contract allowed for General Contractor.
Part E Notes:	E.1 -	Monthly escalation factor of 0.925 used to midpoint of construction of 6 months.
Part F Notes:	F.1 -	Plan review fees for New Orleans are 1/10% of construction cost.
	F.2 -	Building permit fees are $50 + 1/2% of construction cost.
Part G Notes:	G.1 -	Change order box checked to account for inaccuracies in eligible unit quantities at this stage.
Part H Notes:	H.1 -	Applicant will be managing the selected A/E firm during the design process.
	H.2 -	Average design fee curve B used due to simple scope and design requirements.
	H.3 -	Factor allowed for applicant's construction phase management costs.
Miscellaneous Notes & Comments: *Use mouse to Activate Cursor:*		Under the CEF "Summary for Uncompleted Work", Flood Repair work is listed in the first column and Wind Repair work is listed in the second column.

CEF Part A Estimate

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
Completed							
	Permanent						
					$ -		$ -
						Completed - Permanent Total	$ -
	Non-Permanent						
					$ -		$ -
						Completed - Non-Permanent Total	$ -
Uncompleted							
	Permanent - FLOOD DAMAGE						
	Shelter/Concession Building						
1*	Clear and dispose of building contents	02220-350-2000	200.00	CY	$ 30.50	0.896	$ 5,465.60
2*	Clean building interior and exterior	04930-220-0800	7,150.00	SF	$ 1.21	0.896	$ 7,751.74
3*	Interior building renovation	501700-25-2900	1,800.00	SF	$ 10.95	0.896	$ 17,660.16
4*	Replace communication wiring	Engr. Estimate	1.00	EA	$ 8,659.20	1.0	$ 8,659.20
5	Remove vinyl flooring	09080-120-0900	1,650.00	SF	$ 0.68	0.896	$ 1,005.31
6	Replace vinyl flooring	09658-100-7000	1,650.00	SF	$ 1.75	0.896	$ 2,587.20
7*	Replace doors and hardware for ten (10) doors, and frames for two (2) doors	Engr. Estimate	1.00	LS	$ 7,959.50	1.0	$ 7,959.50
8*	Replace hinges on steel gates	Engr. Estimate	1.00	LS	$ 1,539.00	1.0	$ 1,539.00
9	Replace 40-gallon electric hot water heater	D2020-210-1940	1.00	EA	$ 1,705.00	0.896	$ 1,527.68
10	Replace stainless steel double sink	D2020-410-2000	1.00	EA	$ 1,865.00	0.896	$ 1,671.04
11	Interior painting, CMU walls, 2 coats	09910-920-0840	3,600.00	SF	$ 0.60	0.896	$ 1,935.36
12*	Exterior painting, CMU walls	Engr. Estimate	1,900.00	SF	$ 1.04	1.0	$ 1,976.00
	Total Shelter/Concession Building						$ 59,737.80
	Baseball Fields						
13*	Re-pull electrical wiring to high mast lights	Engr. Estimate	1,900.00	LF	$ 4.82	1.0	$ 9,158.00
14*	Terminate re-pull connections	Engr. Estimate	11.00	EA	$ 156.00	1.0	$ 1,716.00
15*	Replace switchgear box/connections	Engr. Estimate	1.00	EA	$ 5,000.00	1.00	$ 5,000.00
	Total Baseball Fields						$ 15,896.00
	Uncompleted - Permanent FLOOD DAMAGE TOTAL						$ 75,633.80
Uncompleted							
	Permanent - WIND DAMAGE						
	Baseball Fields						
16*	Demolish damaged fencing and bleachers	02220-220-1700	590.00	LF	$ 3.05	0.896	$ 1,612.35
17	Restore 6-foot chain-link fencing	02820-130-0800	80.00	LF	$ 26.00	0.896	$ 1,863.68
18	Restore 10-foot chain-link fencing	02820-130-3190	60.00	LF	$ 27.50	0.896	$ 1,478.40
19	Repair/replace chain-link backstop	02880-100-0015	1.00	EA	$ 4,000.00	0.896	$ 3,584.00
20*	Replace bleachers	Engr. Estimate	6.00	EA	$ 3,350.00	1.0	$ 20,100.00
21*	Reinstall high mast light pole	Engr. Estimate	1.00	EA	$ 1,000.00	1.0	$ 1,000.00
22*	Replace damaged/missing floodlights	16520-300-2600	27.00	EA	$ 835.00	0.896	$ 20,200.32
23*	Restore orientation of high mast floodlamps	Engr. Estimate	27.00	EA	$ 200.97	1.0	$ 5,426.19
	Total Baseball Fields						$ 55,264.94
	Uncompleted - Permanent WIND DAMAGE TOTAL						$ 55,264.94
						Uncompleted - Permanent Total	$ 130,898.74
	Non-Permanent						
					$ -		$ -
						Uncompleted - Non-Permanent Total	$ -
						TOTAL PART A BASE CONSTRUCTION COST	$ 130,898.74

* SEE ATTACHED SHEET FOR ENGINEERING COST JUSTIFICATION NOTES

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

		Flood Repair	Wind Repair	$ -	$ -	$ -	Total
PART A	**"Base Costs" for Construction Work-in-Place Trades**						
A.1	Remainder of Work (from 2.1 Estimate)						$ -
A.2	Non-Building Specific Work (from 2.1 Estimate)						$ -
	Part A Total	$ -	$ -	$ -	$ -	$ -	$ -
PART B	**General Requirements and General Conditions**						
B.1	General Requirements	Range Low to High	Enter % in Appropriate Column				
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0% – 6.0%					
	Temporary Services & Utilities	0.0% – 1.0%					
	Quality Control	0.0% – 1.0%					
	Submittals	0.0% – 5.0%					
			$ -	$ -	$ -	$ -	$ -
B.2	General Conditions (4.25%)						
			$ -	$ -	$ -	$ -	$ -
	Part B Total		$ -	$ -	$ -	$ -	$ -
	PART A through B SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART C	**Construction Cost Contingencies**						
C.1	Design Phase Scope Contingencies	Range Low to High	Enter % in Appropriate Column				
	Preliminary Engineering Analysis	15.0% – 20.0%					
	Working Drawings	2.0% – 10.0%					
			$ -	$ -	$ -	$ -	$ -
C.2	Facility or Project Constructability		Enter % in Appropriate Column				
	Facility or Project Type and Complexity	(See IG for Values)					
			$ -	$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies	Range Low to High	Enter % in Appropriate Column				
	Access Contingencies	1.0% – 4.0%					
	Storage Contingencies	1.0% – 4.0%					
	Staging Contingencies	1.0% – 4.0%					
			$ -	$ -	$ -	$ -	$ -
C.4	Economies of Scale	0.0%	0%	0%	0%	0%	0%
			$ -	$ -	$ -	$ -	$ -
	Part C Total		$ -	$ -	$ -	$ -	$ -
	PART A through C SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART D	**General Contractor's Overhead and Profit**						
D.1	GC's Home Office Overhead	7.7%					
			$ -	$ -	$ -	$ -	$ -
D.2	GC's Insurance, Payment & Performance Bonds	3.3%					
			$ -	$ -	$ -	$ -	$ -
D.3	General Contractor's Profit	New Construction 10.0% Repair/Retrofit 10.0%	Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Contruction / Repair/Retrofit				
			$ -	$ -	$ -	$ -	$ -
	Part D Total		$ -	$ -	$ -	$ -	$ -
	PART A through D SUBTOTAL		$ -	$ -	$ -	$ -	$ -

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

		Flood Repair	Wind Repair	$ -	$ -	$ -	Total
PART E	**Cost Escalation Factors**						
E	Cost Escalation Factor (Quarter / Year)	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through E SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART F	**Plan Review and Construction Permit Cost**						
F.1	Plan Review Fees (List Individual Requirements Separately)	$ -	$ -	$ -	$ -	$ -	$ -
F.2	Construction Permit Fees (List Individual Requirements Separately)	$ -	$ -	$ -	$ -	$ -	$ -
	Part F Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through F SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART G	**Applicant's Reserve for Change Orders**						
G	Applicant's Reserve for Change Orders 7.0%	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through G SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART H	**Applicant's Project Management and Design Costs**						
H.1	Applicant's Project Management - Design Phase 1.0%	$ -	$ -	$ -	$ -	$ -	$ -
H.2	A/E Design Contract Cost						
	Above Average Complexity (Curve A) 0.0%	$ -	$ -	$ -	$ -	$ -	
	Average Complexity (Curve B) 0.0%	$ -	$ -	$ -	$ -	$ -	
	Basic Construction Inspection Services 1.0%	$ -	$ -	$ -	$ -	$ -	
		$ -	$ -	$ -	$ -	$ -	$ -
H.3	Project Management - Construction Phase 4.0%	$ -	$ -	$ -	$ -	$ -	$ -
	Part H Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through H SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
	TOTAL OF COMPLETED WORK						$0

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

		Flood Repair	Wind Repair	$ -	$ -	$ -	Total
	"Base Costs" for Construction Work-In Trades						
PART A							
A.1	Remaining Work from Flood Repair	$ 75,633	$ 55,265	$ -	$ -	$ -	$ 130,898
A.2	Non-Remaining Jobs Split to WIP (Flood or Wind)						$ -
	Part A Total	$ 75,633	$ 55,265	$ -	$ -	$ -	$ 130,898
	General Requirements and General Conditions						
PART B							
B.1	General Requirements	Range Low	Range High	Enter % in Appropriate Column			
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0%	6.0%	5.00%	5.00%		
	Temporary Services & Utilities	0.0%	1.0%	1.00%	1.00%		
	Quality Control	0.0%	1.0%	0.50%	0.50%		
	Submittals	0.0%	5.0%	1.00%	1.00%		
				$ 5,672	$ 4,145	$ -	$ 9,817
B.2	General Conditions (4.25%)			☑ $ 3,214	☑ $ 2,349	☐ $ -	$ 5,563
	Part B Total			$ 8,887	$ 6,494	$ -	$ 15,381
	PART A through B SUBTOTAL			$ 84,520	$ 61,759	$ -	$ 146,279
	Construction Cost Contingencies						
PART C							
C.1	Design Phase Scope Contingencies	Range Low	Range High	Enter % in Appropriate Column			
	Preliminary Engineering Analysis	15.0%	20.0%	0.00%	0.00%		
	Working Drawings	2.0%	10.0%	2.00%	2.00%		
				$ 1,690	$ 1,235	$ -	$ 2,926
C.2	Facility or Project Constructability			Enter % in Appropriate Column			
	Facility or Project Type and Complexity	(See IG for Values)		0.00%	0.00%		
				$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies	Range Low	Range High	Enter % in Appropriate Column			
	Access Contingencies	1.0%	4.0%	0.00%	0.00%		
	Storage Contingencies	1.0%	4.0%	0.00%	0.00%		
	Staging Contingencies	1.0%	4.0%	0.00%	0.00%		
				$ -	$ -	$ -	$ -
C.4	Economies of Scale	0.0%		☑ $ -	☑ $ -	☐ $ -	$ -
	Part C Total			$ 1,690	$ 1,235	$ -	$ 2,926
	PART A through C SUBTOTAL			$ 86,210	$ 62,994	$ -	$ 149,204
	General Contractor's Overhead and Profit						
PART D							
D.1	GC's Home Office Overhead	7.7%		☑ $ 6,638	☑ $ 4,851	☐ $ -	$ 11,489
D.2	GC's Insurance, Payment & Performance Bonds	4.3%		☑ $ 2,845	☑ $ 2,079	☐ $ -	$ 4,924
D.3	General Contractor's Profit	New Construction 10.0% / Repair/Retrofit 10.0%		Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Construction ☐ Repair/Retrofit ☑			
				☑ $ 9,569	☑ $ 6,992	☐ $ -	$ 16,562
	Part D Total			$ 19,052	$ 13,922	$ -	$ 32,974
	PART A through D SUBTOTAL			$ 105,263	$ 76,915	$ -	$ 182,178

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

		Flood Repair	Wind Repair	$ -	$ -	$ -	Total
PART E	**Cost Escalation Factors**						
	Months	Monthly Escal.					
E	Cost Escalation Factor 6	0.925%	$ 5,842	$ 4,269	$ -	$ -	$ -	$ 10,111
	PART A through E SUBTOTAL		$ 111,105	$ 81,184	$ -	$ -	$ -	$ 192,289
PART F	**Plan Review and Construction Permit Cost**						
F.1	Plan Review Fees						
	New Orleans Plan Review Fees = 1/10% of construction cost		$ 111	$ 81	$ -			
			$ 111	$ 81	$ -	$ -	$ -	$ 192
F.2	Construction Permit Fees						
	New Orleans Building Permit Fee = $50 + 1/2% of Construction Cost		$ 606	$ 456	$ -			
			$ 606	$ 456	$ -	$ -	$ -	$ 1,061
	Part F Total		$ 717	$ 537	$ -	$ -	$ -	$ 1,254
	PART A through F SUBTOTAL		$ 111,821	$ 81,721	$ -	$ -	$ -	$ 193,543
PART G	**Applicant's Reserve for Change Orders**						
G	Applicant's Reserve for Change Orders	7.0%	☑	☑	☐	☐	☐	
			$ 7,828	$ 5,720	$ -	$ -	$ -	$ 13,548
	PART A through G SUBTOTAL		$ 119,649	$ 87,442	$ -	$ -	$ -	$ 207,091
PART H	**Applicant's Project Management and Design Costs**						
H.1	Applicant's Project Management - Design Phase	1.0%	☑	☑	☐	☐	☐	
			$ 1,196	$ 874	$ -	$ -	$ -	$ 2,071
H.2	A/E Design Contract Cost						
	Above Average Complexity (Curve A) ☐	10.0%	$ -	$ -	$ -	$ -	$ -	
	Average Complexity (Curve B) ☑	7.0%	$ 9,342	$ 6,827	$ -	$ -	$ -	
	Basic Construction Inspection Services ☐	3.0%	$ -	$ -	$ -	$ -	$ -	
			$ 9,342	$ 6,827	$ -	$ -	$ -	$ 16,169
H.3	Project Management - Construction Phase	6.0%	☑	☑	☐	☐	☐	
			$ 7,179	$ 5,247	$ -	$ -	$ -	$ 12,425
	Part H Total		$ 17,717	$ 12,948	$ -	$ -	$ -	$ 30,665
	PART A through H SUBTOTAL		$ 137,366	$ 100,390	$ -	$ -	$ -	$ 237,756
	TOTAL OF UNCOMPLETED WORK							**$237,756**

Total Project Summary

City of New Orleans - Joe Brown Memorial Park-Site Sheet 3

		Completed	Uncompleted	Total
PART A	"Base Costs" for Construction Work In Trades	$ -	$ 130,898	$ 130,898
A.1	Permanent Work	$ -	$ 130,898	$ 130,898
A.2	Non-Permanent Job Specific Work (From Part A Estimate)	$ -	$ -	$ -
PART B	General Requirements and General Conditions	$ -	$ 15,381	$ 15,381
B.1	General Requirements	$ -	$ 9,817	$ 9,817
B.2	General Conditions	$ -	$ 5,563	$ 5,563
PART C	Construction Cost Contingencies (Design and Construction)	$ -	$ 2,926	$ 2,926
C.1	Standard Design-Phase Scope Contingencies	$ -	$ 2,926	$ 2,926
C.2	Facility or Project Constructability	$ -	$ -	$ -
C.3	Access, Storage, and Staging Contingencies	$ -	$ -	$ -
C.4	Economies of Scale in New Construction	$ -	$ -	$ -
PART D	General Contractor's Overhead and Profit	$ -	$ 32,974	$ 32,974
D.1	General Contractor's Home Office Overhead Costs	$ -	$ 11,489	$ 11,489
D.2	General Contractor's Insurance, Payment, and Performance Bonds	$ -	$ 4,924	$ 4,924
D.3	Contractor's Profit	$ -	$ 16,562	$ 16,562
PART E	Cost Escalation Allowance	$ -	$ 10,111	$ 10,111
PART F	Plan Review and Construction Permit Costs	$ -	$ 1,254	$ 1,254
F.1	Plan Review Fees	$ -	$ 192	$ 192
F.2	Construction Permit Fees	$ -	$ 1,061	$ 1,061
PART G	Applicant's Reserve for Construction	$ -	$ 13,548	$ 13,548
PART H	Applicant's Project Management and Design Costs	$ -	$ 30,665	$ 30,665
H.1	Applicant's Project Management - Design Phase	$ -	$ 2,071	$ 2,071
H.2	Architecture & Engineering Design Contract Costs	$ -	$ 16,169	$ 16,169
H.3	Project Management - Construction Phase	$ -	$ 12,425	$ 12,425
	Complete Project Total for Completed and Uncompleted Work	$ -	$ 237,756	$ 237,756

Federal Emergency Management Agency

SITE # 4 OF 7

Applicant: City of New Orleans | **Project Ref. #** CNO-PK1

Damaged Facility Name/Function: Joe Brown – Hockey Rink & Ropes Course

Address of Facility if a Building: 5601 Read Blvd.

City New Orleans | **State** LA | **Zip** 70127

Site Latitude N 30.02811 | **Site Longitude** W -89.96840

#2 LOCATION

Directions to the Damaged Facility:

Park is located within the quadrant between Read Blvd, Lake Forest Blvd, Dwyer Rd., and Wright Rd.

#3 DAMAGE DESCRIPTION and DIMENSIONS

3A What caused the damage

Facility sustained Flood Damage

3B What were the damages, caused by the disaster and their physical dimensions?

Original Damages written in the following PWs; PW #13511V0, Version 1, Version 2

Joe Brown Park – Hockey / Ropes Cousre:

2 SWINGING PLASTIC RESIN (FIBERGLASS) DOOR, 3 ' X 4', FROM SURGING FLOOD,
16,896 SF OF PLASTIC RESIN (FIBERGLASS) WALL, STAINING FROM SURGING FLOOD, AND
120 SF OF CONCRETE SIDEWALK / BRIDGE, 50% OF 60' SPAN, 4 FT WIDE, ON LAMINATED WOOD POLES.

#4 SCOPE OF WORK (*work required to bring facility back to pre-disaster condition*)

4A What repairs have been completed?

No repairs done as of yet

#4B What repairs still need to be completed?

THE ESTIMATED COST AND SCOPE IS SHOWN IN THE ATTACHED COST ESTIMATION SHEETS.

REMOVE/REPLACE 2 SWINGING PLASTIC RESIN (FIBERGLASS) DOOR, 3 ' X 4',
CLEAN 16,896 SF OF PLASTIC RESIN (FIBERGLASS) WALL,
REMOVE AND REPLACE 120 SF OF CONCRETE SIDEWALK / BRIDGE, AND
PROVIDE WASTE HAULING SERVICE

#4C What are the cost of the damage repairs? (Item/Quantity/Cost)

WORK COMPLETED:

WORK TO BE COMPLETED:
Flooding Damage: $10,240.51
Wind Damage: $ 0.00
Total: $10,240.51

FEDERAL EMERGENCY MANAGEMENT AGENCY
PROJECT WORKSHEET – COST ESTIMATION SHEET

O.M.B. No. 3067-0151
Expires April 30, 2001

DECLARATION NO:	PROJECT NO.	FIPS NO.	DATE	CATEGORY
FEMA- 1603 -DR- LA	CP - 244	071-55000-00	06-08-06	G

APPLICANT	COUNTY
CITY OF NEW ORLEANS	ORLEANS PARISH

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/ UNIT		UNIT PRICE	COST
		SITE SHEET 4				
	9999	WORK TO BE COMPLETED (PERMANENT)*				
1	9999	Repair Swinging Fiberglass Doors (082201000060)	2	Ea	$ 480.00	$960.00
2	9999	Clean Fiberglass Wall (018322902400)	16,896	SF	$ 0.0198	$334.54
3	9999	Pre-fabricated Laminated Wood Pedestrian Bridge (based on 50% of 60' Span [028502101600]) – reuse of existing concrete planks allowed	120	SF	$59.00	$7,080
4	9999	Mobilization and demobilization (CARP – RS Means Carpenter)	8	HR	$55.35	$442.80
5	9999	Provide common labor for concrete and door removal (CLAB – RS Means common labor)	8	HR	$42.65	$341.20
6	9999	Provide dumpster disposal service, 30 CY (022203500800)	1	WK	$625.00	$625.00
7	9999	Permit fee (0.5%+$50 each) and review fee (0.1%+$50)	1	EA	105.00	153.70
8		*Note: Unit price has already incorporated a City factor for New Orleans; permit and review fees are City of New Orleans fees				
9						
10						
11						
13						
14						
15						
16						
17						
18						
19						
		SUB TOTAL				$9,942.24
		3% CONSTRUCTION INSPECTION (001072000060)				$ 298.27
21	9999	**TOTAL COST**				$ 10,240.51

PREPARED BY: Jessica Davenport | TITLE: PROJECT OFFICER

Federal Emergency Management Agency

SITE # 5 OF 7

Applicant:	City of New Orleans	**Project Ref. #**	CNO-PK1
Damaged Facility Name/Function:	Joe Brown – Pedestrian Bridge / Picnic		
Address of Facility if a Building:	5601 Read Blvd.		
City	New Orleans	**State** LA **Zip**	70127
Site Latitude	N 30.02811	**Site Longitude**	W -89.96840

#2 LOCATION

Directions to the Damaged Facility:

Park is located within the quadrant between Read Blvd, Lake Forest Blvd, Dwyer Rd., and Wright Rd.

#3 DAMAGE DESCRIPTION and DIMENSIONS

3A What caused the damage

Original Damages written in the following PWs; PW #7709V0, Version 1,
Facility sustained Flood Damage

3B What were the damages, caused by the disaster and their physical dimensions?

Joe Brown Park – Pedistrian Bridge / Picnic Tables:

Hurricane Katrina caused catastrophic damage which resulted in the following:
Joe W. Brown Memorial Park at 5601 Read Road, New Orleans Louisiana, was inundated with approximately 10' of flood waters. The flood waters remained in the park for an extended period, causing severe damage to the park grounds, bridges, picnic tables and wood benches.(see attached continuation sheet for schedule of damages)

The following damages were caused by storm surge and sustained flooding:

1. Asphalt bike trail	30.02907/-89.96769	Alligatoring	160/sf
	30.03041/-89.96809	Subsidence	130/sf
	30.03004/-89.96715	Soil erosion	130/sf
	30.03019/-89.96737	Soil erosion	234/sf
	30.03098/-89.96720	Soil erosion	250/sf
	30.03212/-89.98510	Subsidence	130/sf
		Total	834/sf

2. Picnic tables Thirty five (35) 8-ft. Plastisol-coated 3/4 '#9 expanded metal table top with 2 attached 8-ft. seats were submerged under flood waters for an extended period which caused corrosion and discoloration.
3 .Park benches Five Park benches with six 2 " x 4" x 6' wood slats on concrete base were submerged under flood water causing damage.
4. Sundial Water stained chrome coated sundial
5. Bridge 30'L x 5'W pedestrian bridge, collapsed due to soil erosion and subsidence.

#4 SCOPE OF WORK (*work required to bring facility back to pre-disaster condition*)

4A What repairs have been completed?

No repairs done as of yet

#4B What repairs still need to be completed?

1. Repair 834 SF of asphalt bike trail
2. Replace all picnic tables.(Dark green)
3. Replace park benches
4. Clean metal sundial
5. Demo concrete pedestrian bridge

5a.* Construct new pedestrian bridge

#4C What are the cost of the damage repairs? (Item/Quantity/Cost)

WORK COMPLETED:

WORK TO BE COMPLETED:
Flooding Damage: $48,154.65
Wind Damage: $ 0.00
Total: $48,154.65

FEDERAL EMERGENCY MANAGEMENT AGENCY
PROJECT WORKSHEET – Cost Estimate Continuation Sheet

O.M.B. No. 3067-0151
Expires April 30, 2001

DECLARATION NO.	PROJECT NO.	FIPS NO.	DATE	CATEGORY
FEMA- 1603 -DR- LA	CNO_PK1	071-55000-00	April 26, 2008	E

APPLICANT	COUNTY
City of New Orleans	Orleans Parish

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
		SITE 5: Flood Damage	/		$0.00
		Work to be done	/		$0.00
1	9002	Repair asphalt bike trail 02770-275-0020	834.00 / SF	$7.55	$6,296.70
2	9002	Replace all picnic tables.(Dark green)	35.00 / each	$750.00	$26,250.00
3	9002	Replace park benches	5.00 / EACH	$559.99	$2,799.95
4	9002	Clean metal sundial 05910-500-6235	200.00 / SF	$0.65	$130.00
5	9002	Demo concrete pedestrian bridge 02220-130-0280	150.00 / SF	$4.02	$603.00
6	9002	Construct new pedestrian bridge. 03310-240-0350	150.00 / SF	$80.50	$12,075.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
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			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			TOTAL COST		$48,154.65

PREPARED BY: Orlando Rivera

FEMA Form 90-91B, SEP 98

Federal Emergency Management Agency

SITE # 6 OF 7

Applicant:	City of New Orleans	**Project Ref. #**	CNO-PK1
Damaged Facility Name/Function:	Joe Brown – Electrical		
Address of Facility if a Building:	5601 Read Blvd.		
City	New Orleans	**State** LA **Zip** 70127	
Site Latitude	N 30.02811	**Site Longitude**	W -89.96840

#2 LOCATION

Directions to the Damaged Facility:

Park is located within the quadrant between Read Blvd, Lake Forest Blvd, Dwyer Rd., and Wright Rd.

#3 DAMAGE DESCRIPTION and DIMENSIONS

3A What caused the damage

Facility sustained both Wind and Flood Damage.. Joe Brown Park Exterior Electrical was adversely affected by high winds, heavy rain and flooding. The flood waters remained in the park's electrical vaults (rooms that measures between 150-200 SF with metal roof), for an extended period. Flood was the cause of severe damage to the electrical equipment. The equipment includes the electrical disconnect switches, electrical panels, control panels, receptacles and and associated wiring. Street light poles, fixtures and roadway signs were damaged by high winds (For detailed Damage Description And Dimensions see Continuation Sheet Original Damages written in the following PWs; PW #13944V0, Version 1, Version2, Version3

3B What were the damages, caused by the disaster and their physical dimensions?

Flood Damage:

1) Vault #1 To Maintenance Building - Estimated Distance 150', 4-250 MCM Cable, (Est. 600')
2) Vault #1 To 10 Street Lights - Estimated Distance 1000' , 3-#10 AWG Wire, (Est. 3000')
3) Vault #1 Disconnect Switches were **Not Damaged**.
4) Vault #1 Meter Panels were **Not Damaged**.
5) Vault #2 To 2 Aerator Pumps - Estimated Distance 1000', 3-#8 AWG Wire, (Est. 3000')
6) Vault #2, One (1) Electrical Panel feeding the pumps
7) Vault #2, Two (2) 2-Pole, 40 AMP Circuit Breakers
8) Vault #2, One (1) 120 Volt/20 AMP Receptacle
9) Vault #2, One (1) 120 Volt/20 AMP Switch and Lights
10) Vault #2, Two (2) Timer/Contacts Pump Control Boxes
11) Vault #6 To 20 Parking Lights, Estimated Distance - 100' Each, 3-#10 AWG Wire, (Est. 6000')
12) Vault #6, One (1) 24" X 24" X 6" Junction Box
13) Vault #6, One (1) 12 Circuit Electrical Panel
14) Vault #6, Two (2) 2- Pole 100 AMP Circuit Breakers
15) Vault #6, Two (2) 1-Pole 20 AMP Circuit Breakers
16) Vault #6, One (1) 120 Volt/20 AMP Receptacle
17) Vault #6, One (1) 120 Volt/20 AMP Switch and Lights
18) Vault #7, One (1) 240 Volt/60 AMP Disconnect Switch
19) Vault #7, One (1) 400 AMP, 18 Circuit Electrical Panel
20) Vault #7 To Picnic Area Building – Estimated Distance 200', 4-#4/0 AWG Wire, (Est. 800')
21) Vault #7, Three (3) 30" x 30" x 8" Junction Boxes
22) Vault #7 To Tennis Court - Estimated Distance 125' - 4-#4/0 AWG Wire, (Est. 500')
23) Vault #7, Two (2) Disconnect Switch, 200 A 3 phase 240 Volt were **Not Damaged**.
24) Tennis Court – One (1) 277/480 Volt, 225 A lighting control panel/cabinet.
25) Tennis Court Lighting Wire – Estimated Distance 1000' - 4-#4 AWG Wire, (Est. 4000')
26) Tennis Court Lighting Wire – Estimated Distance 1000' - 4-#6 AWG Wire, (Est. 4000')
27) Tennis Court Lighting Wire – Estimated Distance 1000' - 4-#8 AWG Wire, (Est. 4000')

Federal Emergency Management Agency

3B What were the damages, caused by the disaster and their physical dimensions? (continued)

28) 9,000 SF interior and exterior masonry walls of the five (5) vaults is stained with contaminated brackish flood waters and the paint is peeling
29) Five (5) Hollow Steel Doors including hardware are rusted and the paint is peeling
Wind Damage
30) One (1) 30' Concrete Street Light Pole and fixture across from vault #2 is blown down and damaged
31) Twenty one (21) 70 Watt High Pressure Sodium Street Light Fixture are damaged
32) Thirty (30) Street Light Poles are leaning
33) Twenty (20) Street Signs are blown down and damaged

Notes: 1. The Vaults are actually at-grade electrical rooms with four walls and a roof. Every electrical room is divided into two rooms.
2. At the time of Damage Assessment by FEMA and City representatives, no additional vaults were identified. If in the future, additional vaults were identified by the Applicant and determined to be eligible, the repair of these additional vaults and equipment may be covered by a version of this Project Worksheet (PW). The Applicant is to contact the state.
3. The underground conduits are PVC and embedded in concrete. FEMA doesn't have any evidence of damage to these conduits

#4 SCOPE OF WORK (*work required to bring facility back to pre-disaster condition*)

4A What repairs have been completed?

No repairs done as of yet

#4B What repairs still need to be completed?

The applicant is to remove and replace all damaged electrical equipment including damaged electrical equipment and associated wiring as detailed in attached (Scope of Work Continuation Sheet 2). Cost estimates for the project's scope of work are based on 2006 RS Means adjusted for Zip Code 701.

Work is to be completed within 18 months. This work will be performed by an Electrical contractor with oversight by the City of New Orleans or their representative. Basic Construction inspection services will be required.

Hazard Mitigation (HM): It is recommended that the applicant raise the electrical equipment higher in the vault or outdoor as out lined in the HMP. (See the attached HM Proposals)

Joe Brown Park Exterior Electrical

Work To Be Completed:
Flood Damage:
1) Vault #1 To Maintenance Building – Remove and replace 4-250 MCM Cable, (Est. 600')
2) Vault #1 To 10 Street Lights - Remove and replace 3-#10 AWG Wire, (Est. 3000')
3) Vault #2 To 2 Aearator Pumps - Remove and replace 3-#8 AWG Wire, (Est. 3000')
4) Vault #2, Remove and replace one (1) Electrical Panel feeding the pumps
5) Vault #2, Remove and replace two (2) 2-Pole, 40 AMP Circuit Breakers
6) Vault #2, Remove and replace one (1) 120 Volt/20 AMP Receptacle
7) Vault #2, Remove and replace one (1) 120 Volt/20 AMP Switch and Lights
8) Vault #2, Remove and replace two (2) Timer/Contacts Pump Control Boxes
9) Vault #6 To 20 Parking Lights - Remove and replace 3-#10 AWG Wire, (Est. 6000')
10) Vault #6, Remove and replace one (1) 24" X 24" X 6" Junction Box

Federal Emergency Management Agency

#4B What repairs still need to be completed (continued)?

11) Vault #6, Remove and replace one (1) 12 Circuit Electrical Panel
12) Vault #6, Remove and replace two (2) 2- Pole 100 AMP Circuit Breakers
13) Vault #6, Remove and replace two (2) 1-Pole 20 AMP Circuit Breakers
14) Vault #6, Remove and replace one (1) 120 Volt/ 20 AMP Receptacle
15) Vault #6, Remove and replace one (1) 120 Volt/ 20 AMP Switch and Lights
16) Vault #7, Remove and replace one (1) 240 Volt/ 60 AMP Disconnect Switch
17) Vault #7, Remove and replace one (1) 400 AMP, 18 Circuit Electrical Panel
18) Vault #7 To Picnic Area Building – Remove and replace 4-#4/0 AWG Wire, (Est. 800')
19) Vault #7, Remove and replace three (3) 30" x 30" x 8" Junction Boxes
20) Vault #7 To Tennis Court - Remove and replace 4-#4/0 AWG Wire, (Est. 500')
21) Tennis Court – One (1) 277/480 V, 225 A lighting control panel/cabinet.
22) Tennis Court Lighting Wire – Remove and replace 4-#4 AWG WIRE, (Est. 4000')
23) Tennis Court Lighting Wire – Remove and replace 4-#6 AWG WIRE, (Est. 4000')
24) Tennis Court Lighting Wire – Remove and replace 4-#8 AWG WIRE, (Est. 4000')
25) Wash 9,000 SF interior and exterior masonry walls of the five (5) vaults
26) Paint 9,000 SF interior and exterior masonry walls of the five (5) vaults
27) Remove and replace five (5) Hollow Steel Doors including hardware
28) Paint five (5) Hollow Steel Doors
29) Remove and replace five (5) locksets

Wind Damage:
30) Remove and replace one (1) 30' Concrete Street Light Pole
31) Remove and replace twenty one (21) 70 Watt High Pressure Sodium Street Light Fixture
32) Re-align thirty (30) Street Light Poles
33) Replace twenty (20) Street Signs

#4C What are the cost of the damage repairs? (Item/Quantity/Cost)

WORK COMPLETED:

WORK TO BE COMPLETED:
Flooding Damage: $75,517.00
Wind Damage: $ 46,505.00
Total: $122,022.00

CEF Fact Sheet

City of New Orleans - Joe Brown Park Exterior Electrical

Date of Estimate:	June 29, 2006
FEMA Region:	VI
Preparer(s):	Ashraf Siddiq
Applicant Name:	City of New Orleans
Project Title:	Joe Brown Park Exterior Electrical
Damaged Facility:	Joe Brown Park Exterior Electrical
Declaration Number:	1603
Project Number:	CP-79
PA ID No.:	071-55000-00
Date of Inspection:	June 29, 2006
Event Date(s)	September 29, 2005
Work Category:	E
Type of Work: *(Enter New, Repair, etc.)*	Flood Damage Wind Damage
Scope:	1. The eligible Scope of Work is identified in the Project WorkSheet Continuation Sheet 2. 2. The Applicant will manage and supervise this project. No GC is required. 3. No work is completed as of 06/29/06. 4. The cost estimate is prepared using RS Means 2006, adjusted for City of New Orleans

City of New Orleans - Joe Brown Park Exterior Electrical

		Flood Damage	Wind Damage	$ -	$ -	$ -	Total
PART A	"Base Costs" for Construction Work-in Trades						
A.1	Permanent Work (From Part A Estimate)						$ -
A.2	Non-Permanent Job Specific Work (From Part A Estimate)						$ -
	Part A Total	$ -	$ -	$ -	$ -	$ -	$ -
PART B	General Requirements and General Conditions						
B.1	General Requirements	Range Low to High	Enter % in Appropriate Column				
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0% 6.0%					
	Temporary Services & Utilities	0.0% 1.0%					
	Quality Control	0.0% 1.0%					
	Submittals	0.0% 5.0%					
			$ -	$ -	$ -	$ -	$ -
B.2	General Conditions (4.25%)		☐	☐	☐	☐	☐
			$ -	$ -	$ -	$ -	$ -
	Part B Total		$ -	$ -	$ -	$ -	$ -
	PART A through B SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART C	Construction Cost Contingencies						
C.1	Design Phase Scope Contingencies	Range Low to High	Enter % in Appropriate Column				
	Preliminary Engineering Analysis	15.0% 20.0%					
	Working Drawings	2.0% 10.0%					
			$ -	$ -	$ -	$ -	$ -
C.2	Facility or Project Constructability		Enter % in Appropriate Column				
	Facility or Project Type and Complexity	(See IG for Values)					
			$ -	$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies	Range Low to High	Enter % in Appropriate Column				
	Access Contingencies	1.0% 4.0%					
	Storage Contingencies	1.0% 4.0%					
	Staging Contingencies	1.0% 4.0%					
			$ -	$ -	$ -	$ -	$ -
C.4	Economies of Scale	0.0%	☐	☐	☐	☐	☐
			0%	0%	0%	0%	0%
			$ -	$ -	$ -	$ -	$ -
	Part C Total		$ -	$ -	$ -	$ -	$ -
	PART A through C SUBTOTAL		$ -	$ -	$ -	$ -	$ -
PART D	General Contractor's Overhead and Profit						
D.1	GC's Home Office Overhead	7.7%	☐	☐	☐	☐	☐
			$ -	$ -	$ -	$ -	$ -
D.2	GC's Insurance, Payment & Performance Bonds	3.1%	☐	☐	☐	☐	☐
			$ -	$ -	$ -	$ -	$ -
D.3	General Contractor's Profit	New Construction 10.0% Repair/Retrofit 10.0%	Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Contruction ☐ Repair/Retrofit ☐				
			☐	☐	☐	☐	☐
			$ -	$ -	$ -	$ -	$ -
	Part D Total		$ -	$ -	$ -	$ -	$ -
	PART A through D SUBTOTAL		$ -	$ -	$ -	$ -	$ -

City of New Orleans - Joe Brown Park Exterior Electrical

		Flood Damage	Wind Damage	$ -	$ -	$ -	Total
PART E	**Cost Escalation Factors**						
E	Cost Escalation Factor (Delivery / Bidding / Const.)	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through E SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART F	**Plan Review and Construction Permit Cost**						
F.1	Plan Review Fee(s)						
	(List Individual Requirements Separately)						
		$ -	$ -	$ -	$ -	$ -	$ -
F.2	Construction Permit Fee(s)						
	(List Individual Requirements Separately)						
		$ -	$ -	$ -	$ -	$ -	$ -
	Part F Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through F SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART G	**Applicant's Reserve for Change Orders**						
G	Applicant's Reserve for Change Orders 0.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
	PART A through G SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
PART H	**Applicant's Project Management and Design Costs**						
H.1	Applicant's Project Management - Design Phase 1.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
H.2	A/E Design Contract Cost						
	Above Average Complexity (Curve A) ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
	Average Complexity (Curve B) ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
	Basic Construction Inspection Services ☐ 0.0%	$ -	$ -	$ -	$ -	$ -	
		$ -	$ -	$ -	$ -	$ -	$ -
H.3	Project Management - Construction Phase 0.0%	☐	☐	☐	☐	☐	
		$ -	$ -	$ -	$ -	$ -	$ -
	Part H Total	$ -	$ -	$ -	$ -	$ -	$ -
	PART A through H SUBTOTAL	$ -	$ -	$ -	$ -	$ -	$ -
	TOTAL OF COMPLETED WORK						$0

City of New Orleans - Joe Brown Park Exterior Electrical

			Flood Damage	Wind Damage	$ -	$ -	$ -	Total
PART A	**"Base Costs" for Construction Work-in Trades**							
A.1	Remaining Work (Work that was not completed)		$ 56,042	$ 34,496				$ 90,538
A.2	Non-Permanent Job Specific Work (Work that HAS been completed)							$ -
	Part A Total		$ 56,042	$ 34,496	$ -	$ -	$ -	$ 90,538
PART B	**General Requirements and General Conditions**							
B.1	General Requirements	Range Low to High	Enter % in Appropriate Column					
	Safety & Security - Airports, Ports & Govt. Owned Marinas	4.0% 6.0%	1.00%	1.00%				
	Temporary Services & Utilities	0.0% 1.0%	1.00%	1.00%				
	Quality Control	0.0% 1.0%	1.00%	1.00%				
	Submittals	0.0% 5.0%	2.00%	2.00%				
			$ 2,802	$ 1,725	$ -	$ -	$ -	$ 4,527
B.2	General Conditions (4.25%)							
			$ -	$ -	$ -	$ -	$ -	$ -
	Part B Total		$ 2,802	$ 1,725	$ -	$ -	$ -	$ 4,527
	PART A through B SUBTOTAL		$ 58,844	$ 36,221	$ -	$ -	$ -	$ 95,065
PART C	**Construction Cost Contingencies**							
C.1	Design Phase Scope Contingencies	Range Low to High	Enter % in Appropriate Column					
	Preliminary Engineering Analysis	15.0% 20.0%						
	Working Drawings	2.0% 10.0%	3.00%	3.00%				
			$ 1,765	$ 1,087	$ -	$ -	$ -	$ 2,852
C.2	Facility or Project Constructability		Enter % in Appropriate Column					
	Facility or Project Type and Complexity	(See IG for Values)						
			$ -	$ -	$ -	$ -	$ -	$ -
C.3	Access, Storage & Staging Contingencies	Range Low to High	Enter % in Appropriate Column					
	Access Contingencies	1.0% 4.0%						
	Storage Contingencies	1.0% 4.0%						
	Staging Contingencies	1.0% 4.0%						
			$ -	$ -	$ -	$ -	$ -	$ -
C.4	Economies of Scale	0.0%						
			$ -	$ -	$ -	$ -	$ -	$ -
	Part C Total		$ 1,765	$ 1,087	$ -	$ -	$ -	$ 2,852
	PART A through C SUBTOTAL		$ 60,610	$ 37,308	$ -	$ -	$ -	$ 97,917
PART D	**General Contractor's Overhead and Profit**							
D.1	GC's Home Office Overhead	7.7%						
			$ -	$ -	$ -	$ -	$ -	$ -
D.2	GC's Insurance, Payment & Performance Bonds	1.5%						
			$ -	$ -	$ -	$ -	$ -	$ -
D.3	General Contractor's Profit	New Construction 10.0% Repair/Retrofit 10.0%	Select a top box for the type of project, and applicable bottom boxes to apply the factor. New Construction Repair/Retrofit					
			$ -	$ -	$ -	$ -	$ -	$ -
	Part D Total		$ -	$ -	$ -	$ -	$ -	$ -
	PART A through D SUBTOTAL		$ 60,610	$ 37,308	$ -	$ -	$ -	$ 97,917

City of New Orleans - Joe Brown Park Exterior Electrical

		Months	Monthly Escal.	Flood Damage	Wind Damage	$ -	$ -	$ -	Total
PART E	Cost Escalation Factors								
E	Cost Escalation Factor	6	0.925%	$ 3,364	$ 2,071	$ -	$ -	$ -	$ 5,434
	PART A through E SUBTOTAL			$ 63,974	$ 39,378	$ -	$ -	$ -	$ 103,352
PART F	Plan Review and Construction Permit Cost								
F.1	Plan Review Fees								
	(List Individual Requirements Separately)								
	New Orleans Plan Review Fees = 1/10% of Construction Cost			$ 640	$ 394				
				$ 640	$ 394	$ -	$ -	$ -	$ 1,034
F.2	Construction Permit Fees								
	(List Individual Requirements Separately)								
	New Orleans Building Permit Fee = $50 =1/2% of Construction Cost			$ 3,249	$ 2,019				
				$ 3,249	$ 2,019	$ -	$ -	$ -	$ 5,268
	Part F Total			$ 3,888	$ 2,413	$ -	$ -	$ -	$ 6,301
	PART A through F SUBTOTAL			$ 67,862	$ 41,791	$ -	$ -	$ -	$ 109,653
PART G	Applicant's Reserve for Change Orders								
G	Applicant's Reserve for Change Orders 10.0%			☑	☑	☐	☐	☐	
				$ 4,750	$ 2,925	$ -	$ -	$ -	$ 7,676
	PART A through G SUBTOTAL			$ 72,612	$ 44,716	$ -	$ -	$ -	$ 117,328
PART H	Applicant's Project Management and Design Costs								
H.1	Applicant's Project Management - Design Phase 1.0%			☑	☑	☐	☐	☐	
				$ 726	$ 447	$ -	$ -	$ -	$ 1,173
H.2	A/E Design Contract Cost								
	Above Average Complexity (Curve A)	☐	11.3%	$ -	$ -	$ -	$ -	$ -	
	Average Complexity (Curve B)	☐	9.0%	$ -	$ -	$ -	$ -	$ -	
	Basic Construction Inspection Services	☑	3.0%	$ 2,178	$ 1,341	$ -	$ -	$ -	
				$ 2,178	$ 1,341	$ -	$ -	$ -	$ 3,520
H.3	Project Management - Construction Phase 6.0%			☐	☐	☐	☐	☐	
				$ -	$ -	$ -	$ -	$ -	$ -
	Part H Total			$ 2,904	$ 1,789	$ -	$ -	$ -	$ 4,693
	PART A through H SUBTOTAL			$ 75,517	$ 46,505	$ -	$ -	$ -	$ 122,022
	TOTAL OF UNCOMPLETED WORK								**$122,022**

Total Project Summary

City of New Orleans - Joe Brown Park Exterior Electrical

		Completed	Uncompleted	Total
PART A	"Base Costs" for Construction Work In Trades	$ -	$ 90,538	$ 90,538
A.1	Permanent Work	$ -	$ 90,538	$ 90,538
A.2	Non-Permanent Job Specific Work (From Part A Estimate)	$ -	$ -	$ -
PART B	General Requirements and General Conditions	$ -	$ 4,527	$ 4,527
B.1	General Requirements	$ -	$ 4,527	$ 4,527
B.2	General Conditions	$ -	$ -	$ -
PART C	Construction Cost Contingencies (Design and Construction)	$ -	$ 2,852	$ 2,852
C.1	Standard Design-Phase Scope Contingencies	$ -	$ 2,852	$ 2,852
C.2	Facility or Project Constructability	$ -	$ -	$ -
C.3	Access, Storage, and Staging Contingencies	$ -	$ -	$ -
C.4	Economies of Scale in New Construction	$ -	$ -	$ -
PART D	General Contractor's Overhead and Profit	$ -	$ -	$ -
D.1	General Contractor's Home Office Overhead Costs	$ -	$ -	$ -
D.2	General Contractor's Insurance, Payment, and Performance Bonds	$ -	$ -	$ -
D.3	Contractor's Profit	$ -	$ -	$ -
PART E	Cost Escalation Allowance	$ -	$ 5,434	$ 5,434
PART F	Plan Review and Construction Permit Costs	$ -	$ 6,301	$ 6,301
F.1	Plan Review Fees	$ -	$ 1,034	$ 1,034
F.2	Construction Permit Fees	$ -	$ 5,268	$ 5,268
PART G	Applicant's Reserve for Construction	$ -	$ 7,676	$ 7,676
PART H	Applicant's Project Management and Design Costs	$ -	$ 4,693	$ 4,693
H.1	Applicant's Project Management - Design Phase	$ -	$ 1,173	$ 1,173
H.2	Architecture & Engineering Design Contract Costs	$ -	$ 3,520	$ 3,520
H.3	Project Management - Construction Phase	$ -	$ -	$ -
	Complete Project Total for Completed and Uncompleted Work	$ -	$ 122,022	$ 122,022

CEF Notes

City of New Orleans - Joe Brown Park Exterior Electrical

Damaged Facility:		Joe Brown Park Exterior Electrical
Applicant Name:		City of New Orleans
Project Number:		CP-79
Date of Estimate:		June 29, 2006
Preparer(s):		Ashraf Siddiq
Part A Notes:	A.1 -	Unit Costs are based on R.S. Means Cost Data
	A.2 -	N/A
Part B Notes:	B.1 -	Safety and Security - use 1%, Temporary Service - use 1%, QC - use 1%, Submittals - Use 2%
	B.2 -	No GC required
Part C Notes:	C.1 -	Working drawings will be required - Use 3%
	C.2 -	Project is simple and straight forward - 0%
	C.3 -	No access, storage and staging contingencies required
	C.4 -	Project is not very large, No Economics of Scale is considered
Part D Notes:	D.1 -	No GC required
	D.2 -	
	D.3 -	
Part E Notes:	E.1 -	Category E @ 0.925%/Mo. Escalation for 6 months,
Part F Notes:	F.1 -	Plan review by City of New Orleans is 1/10% of Construction Cost
	F.2 -	Building Permit Fees are $50 + 1/2% of Construction Cost
Part G Notes:	G.1 -	Applicant's Reserve for Change Orders - Use 7%
Part H Notes:	H.1 -	Applicant's Project Management, Design Phase - Use 1%
	H.2 -	Basic Construction Inspection Services - Use 3%
	H.3 -	Project Management by the City - 6%
Miscellaneous Notes & Comments: *Use mouse to Activate Cursor:*		

CEF Part A Estimate

City of New Orleans - Joe Brown Park Exterior Electrical

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
Uncompleted							
	Permanent-Flood Damage						
1	VAULT #1 to maint. Build, Remove 250MCM Cable	16055-300-1950	600.00	LF	$ 0.36	1.000	$ 216.00
2	VAULT #1 to maint. Build, Replace 250MCM Cable	16120-900-2200	600.00	LF	$ 4.35	1.000	$ 2,610.00
3	VAULT #1 to street light, Remove #10 AWG wire	16055-300-1850	3,000.00	LF	$ 0.08	1.000	$ 235.50
4	VAULT #1 to street light, Replace #10 AWG wire	16120-900-1250-	3,000.00	LF	$ 0.48	1.000	$ 1,425.00
5	Wash 9000 SF exterior and interior masonry walls of all 5 vaults	09990-910-0750	1,800.00	SF	$ 0.10	1.000	$ 180.00
6	Paint 9000 SF exterior and interior masonry walls of all 5 vaults	09910-940-0370	1,800.00	SF	$ 0.31	1.000	$ 558.00
7	Remove 3'-6"x6'-8" steel hollow door and hardware (Min. labor/equip.)	08060-110-2950	1.00	EA	$ 64.00	1.000	$ 64.00
8	Replace 3'-6"x6'-8" steel hollow door and hardware	08110-200-0100/ 08710-520-0012	1.00	EA	$ 344.50	1.000	$ 344.50
9	Prime and spray-paint 2-coat 5 steel doors	09910-300-0190	1.00	EA	$ 69.00	1.000	$ 69.00
10	Remove 5 Locksets (Labor only)	08710-650-0400	1.00	EA	$ 24.29	1.000	$ 24.29
11	Replace 5 Locksets	08710-650-0400	1.00	EA	$ 119.00	1.000	$ 119.00
	Total - Vault #1						**$ 5,845.29**
12	VAULT #2 to 2 aerators pumps, Remove #8 AWG wire (Labor only)	16055-300-1860	3,000.00	LF	$ 0.09	1.000	$ 265.50
13	VAULT #2 to 2 aerators pumps, Replace #8 AWG wire	16120-900-1300	3,000.00	LF	$ 0.65	1.000	$ 1,950.00
14	VAULT #2, Remove 8 circuit panel	16055-300-1230	1.00	EA	$ 137.00	1.000	$ 137.00
15	VAULT #2, Replace 8 circuit panel	16440-500-0200	1.00	EA	$ 420.00	1.000	$ 420.00
16	VAULT #2, Remove 2-pole 40 AMP circuit brkrs	16055-400-0140	2.00	EA	$ 40.50	1.000	$ 81.00
17	VAULT #2, Replace 2-pole 40 AMP circuit brkrs	16440-700-0400	2.00	EA	$ 74.50	1.000	$ 149.00
18	VAULT #2, Remove 120 Volt/20 AMP receptacle	16140-910-3600	1.00	EA	$ 29.50	1.000	$ 29.50
19	VAULT #2, Replace 120 Volt/20 AMP receptacle	D5020-125-0560	1.00	EA	$ 159.00	1.000	$ 159.00
20	VAULT #2, Remove 120 Volt/20 AMP lights and switch	16055-300-1790	1.00	EA	$ 2.64	1.000	$ 2.64
21	VAULT #2, Replace 120 Volt/20 AMP lights and switch	D5020-125-0640	1.00	EA	$ 182.00	1.000	$ 182.00
22	VAULT #2, Remove timer/contacts/ pump control boxes	16055-400-3020	2.00	EA	$ 22.50	1.000	$ 45.00
23	VAULT #2, Replace timer/contacts/ pump control boxes	16440-660-6420	2.00	EA	$ 575.00	1.000	$ 1,150.00
24	Wash 9000 SF exterior and interior masonry walls of all 5 vaults	09990-910-0750	1,800.00	SF	$ 0.10	1.000	$ 180.00

CEF Part A Estimate

City of New Orleans - Joe Brown Park Exterior Electrical

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
25	Paint 9000 SF exterior and interior masonry walls of all 5 vaults	09910-940-0370	1,800.00	SF	$ 0.31	1.000	$ 558.00
26	Remove 3'-6"x6'-8" steel hollow door and hardware (Min. labor/equip.)	08060-110-2950	1.00	EA	$ 64.00	1.000	$ 64.00
27	Replace 3'-6"x6'-8" steel hollow door and hardware	08110-200-0100/ 08710-520-0012	1.00	EA	$ 344.50	1.000	$ 344.50
28	Prime and spray-paint 2-coat 5 steel doors	09910-300-0190	1.00	EA	$ 69.00	1.000	$ 69.00
29	Remove 5 Locksets (Labor only)	08710-650-0400	1.00	EA	$ 24.29	1.000	$ 24.29
30	Replace 5 Locksets	08710-650-0400	1.00	EA	$ 119.00	1.000	$ 119.00
	Total - Vault #2						**$ 5,929.43**
31	VAULT #6 to 20 parking lights, Remove #10 AWG wire	16055-300-1850	6,000.00	LF	$ 0.08	1.000	$ 471.00
32	VAULT #6 to 20 parking lights, Replace #10 AWG wire	16120-900-1250	6,000.00	LF	$ 0.48	1.000	$ 2,850.00
33	VAULT #6, Remove 24"x24"x6" junction box	16055-300-1680	1.00	EA	$ 29.00	1.000	$ 29.00
34	VAULT #6, Replace 24"x24"x6" junction box	16136-700-0340	1.00	EA	$ 223.00	1.000	$ 223.00
35	VAULT #6, Remove 12 circuit electrical panels	16055-300-1230	1.00	EA	$ 137.00	1.000	$ 137.00
36	VAULT #6, Replace 12 circuit electrical panels	16440-500-0300	1.00	EA	$ 525.00	1.000	$ 525.00
37	VAULT #6, Remove 2-pole 100 AMP circuit brkrs	16055-300-0850	2.00	EA	$ 34.50	1.000	$ 69.00
38	VAULT #6, Replace 2-pole 100 AMP circuit brkrs	16440-700-0600	2.00	EA	$ 149.00	1.000	$ 298.00
39	VAULT #6, Remove 1-pole 20 AMP circuit brkrs	16055-300-0820	2.00	EA	$ 23.00	1.000	$ 46.00
40	VAULT #6, Replace 1-pole 20 AMP circuit brkrs	16440-700-0100	2.00	EA	$ 49.50	1.000	$ 99.00
41	VAULT #6, Remove 1-120 Volt/20 AMP receptacles	16140-910-3600	1.00	EA	$ 29.50	1.000	$ 29.50
42	VAULT #6, Replace 1-120 Volt/20 AMP receptacles	D5020-125-0560	1.00	EA	$ 159.00	1.000	$ 159.00
43	VAULT #6, Remove 120 Volt/20 AMP lights and switch	16055-300-1790	1.00	EA	$ 2.64	1.000	$ 2.64
44	VAULT #6, Replace 120 Volt/20 AMP lights and switch	D5020-125-0640	1.00	EA	$ 182.00	1.000	$ 182.00
45	Wash 9000 SF exterior and interior masonry walls of all 5 vaults	09990-910-0750	1,800.00	SF	$ 0.10	1.000	$ 180.00
46	Paint 9000 SF exterior and interior masonry walls of all 5 vaults	09910-940-0370	1,800.00	SF	$ 0.31	1.000	$ 558.00
47	Remove 3'-6"x6'-8" steel hollow door and hardware (Min. labor/equip.)	08060-110-2950	1.00	EA	$ 64.00	1.000	$ 64.00
48	Replace 3'-6"x6'-8" steel hollow door and hardware	08110-200-0100/ 08710-520-0012	1.00	EA	$ 344.50	1.000	$ 344.50
49	Prime and spray-paint 2-coat 5 steel doors	09910-300-0190	1.00	EA	$ 69.00	1.000	$ 69.00

CEF Part A Estimate

City of New Orleans - Joe Brown Park Exterior Electrical

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
50	Remove 5 Locksets (Labor only)	08710-650-0400	1.00	EA	$ 24.29	1.000	$ 24.29
51	Replace 5 Locksets	08710-650-0400	1.00	EA	$ 119.00	1.000	$ 119.00
	Total - Vault #6						**$ 6,478.93**
52	VAULT #7, Remove 240 Volt/60 AMP disconnect switch	16055-400-0610	1.00	EA	$ 37.50	1.000	$ 37.50
53	VAULT #7, Replace 240 Volt/60 AMP disconnect switch	16410-800-0200	1.00	EA	$ 300.00	1.000	$ 300.00
54	VAULT #7, Remove 400 AMP/18 circuit electrical panel	16055-300-1250	1.00	EA	$ 325.00	1.000	$ 325.00
55	VAULT #7, Replace 400 AMP/18 circuit electrical panel	D5010-120-0320	1.00	EA	$ 4,700.00	1.000	$ 4,700.00
56	VAULT #7 to picnic area build., Remove #4 AWG wire	16055-300-1880	3,200.00	LF	$ 0.14	1.000	$ 432.00
57	VAULT #7 to picnic area build., Replace #4 AWG wire	16120-900-2000	3,200.00	LF	$ 3.75	1.000	$ 12,000.00
58	VAULT #7, Remove 30"x30"x8" junction boxes	16055-300-1700	3.00	EA	$ 46.00	1.000	$ 138.00
59	VAULT #7, Replace 30"x30"x8" junction boxes	16136-700-0610	3.00	EA	$ 360.00	1.000	$ 1,080.00
60	VAULT #7 to tennis court, Remove #4 AWG wire	16055-300-1880	500.00	LF	$ 0.14	1.000	$ 67.50
61	VAULT #7 to tennis court, Replace #4 AWG wire	16120-900-1400	500.00	LF	$ 1.20	1.000	$ 600.00
62	Wash 9000 SF exterior and interior masonry walls of all 5 vaults	09990-910-0750	1,800.00	SF	$ 0.10	1.000	$ 180.00
63	Paint 9000 SF exterior and interior masonry walls of all 5 vaults	09910-940-0370	1,800.00	SF	$ 0.31	1.000	$ 558.00
64	Remove 3'-6"x6'-8" steel hollow door and hardware (Min. labor/equip.)	08060-110-2950	1.00	EA	$ 64.00	1.000	$ 64.00
65	Replace 3'-6"x6'-8" steel hollow door and hardware	08110-200-0100/ 08710-520-0012	1.00	EA	$ 344.50	1.000	$ 344.50
66	Prime and spray-paint 2-coat 5 steel doors	09910-300-0190	1.00	EA	$ 69.00	1.000	
67	Remove 5 Locksets (Labor only)	08710-650-0400	1.00	EA	$ 24.29	1.000	
68	Replace 5 Locksets	08710-650-0400	1.00	EA	$ 119.00	1.000	
	Total - Vault #7						
69	Tennis Court, Remove 277/480 Volt/225 AMP lighting control panel/cabinet	16055-400-3040	1.00	EA	$ 49.00	1.000	
70	Tennis Court, Replace 277/480 Volt/225 AMP lighting control panel/cabinet	16440-720-3720	1.00	EA	$ 3,050.00	1.000	
71	Tennis Court, Remove #4 AWG wire	16055-300-1880	4,000.00	LF	$ 0.14	1.000	
72	Tennis Court, Replace #4 AWG wire	16120-900-1400	4,000.00	LF	$ 1.20	1.000	
73	Tennis Court, Remove #6 AWG wire	16055-300-1870	4,000.00	LF	$ 0.11	1.000	$ 438.00

CEF Part A Estimate

City of New Orleans - Joe Brown Park Exterior Electrical

Item No.	Item Description Title / Component Description	Div. # or Cost Code	Qty	Units	Unit Price	City Adj Factor	Total Cost
74	Tennis Court, Replace #6 AWG wire	16120-900-1350	4,000.00	LF	$ 0.89	1.000	$ 3,560.00
75	Tennis Court, Remove #8 AWG wire	16055-300-1860	4,000.00	LF	$ 0.09	1.000	$ 354.00
76	Tennis Court, Replace #6 AWG wire	16120-900-1300	4,000.00	LF	$ 0.65	1.000	$ 2,600.00
77	Wash 9000 SF exterior and interior masonry walls of all 5 vaults	09990-910-0750	1,800.00	SF	$ 0.10	1.000	$ 180.00
78	Paint 9000 SF exterior and interior masonry walls of all 5 vaults	09910-940-0370	1,800.00	SF	$ 0.31	1.000	$ 558.00
79	Remove 3'-6"x6'-8" steel hollow door and hardware (Min. labor/equip.)	08060-110-2950	1.00	EA	$ 64.00	1.000	$ 64.00
80	Replace 3'-6"x6'-8" steel hollow door and hardware	08110-200-0100/ 08710-520-0012	1.00	EA	$ 344.50	1.000	$ 344.50
81	Prime and spray-paint 2-coat 5 steel doors	09910-300-0190	1.00	EA	$ 69.00	1.000	$ 69.00
82	Remove 5 Locksets (Labor only)	08710-650-0400	1.00	EA	$ 24.29	1.000	$ 24.29
83	Replace 5 Locksets	08710-650-0400	1.00	EA	$ 119.00	1.000	$ 119.00
	Total - Tennis Court						**$ 16,749.79**
	Total-Permanent-Flood Damage						**$ 56,042.23**
	Permanent-Wind Damage						
56	Remove 30' concrete street light pole across from Vault #2 (50% of labor only)	16520-300-3200	1.00	EA	$ 128.87	1.000	$ 128.87
57	Replace 30' concrete street light pole across from Vault #2 (cost is for aluminum pole)	16520-300-3200	1.00	EA	$ 1,950.00	1.000	$ 1,950.00
58	Remove 70 Watt high pressure sodium street light fixture (Labor only)	16520-300-7920	21.00	EA	$ 88.44	1.000	$ 1,857.24
59	Replace 70 Watt high pressure sodium street light fixture	16520-300-7920	21.00	EA	$ 990.00	1.000	$ 20,790.00
60	Re-align street light poles (labor only)	16520-300-3200	30.00	EA	$ 257.00	1.000	$ 7,710.00
61	Replace street signs	10430-200-4800	20.00	EA	$ 103.00	1.000	$ 2,060.00
	Total-Permanent-Wind Damage						**$ 34,496.11**
					Uncompleted - Permanent Total		**$ 90,538.34**
					TOTAL PART A BASE CONSTRUCTION COST		**$ 90,538.34**

Federal Emergency Management Agency

SITE # 7 OF 7

Applicant:	City of New Orleans	**Project Ref. #**	CNO-PK1
Damaged Facility Name/Function:	Joe Brown – Audubon Nature preserve-perimeter		
Address of Facility if a Building:	5601 Read Blvd.		
City	New Orleans	**State** LA **Zip** 70127	
Site Latitude	N 30.02811	**Site Longitude**	W -89.96840

#2 LOCATION

Directions to the Damaged Facility:

Park is located within the quadrant between Read Blvd, Lake Forest Blvd, Dwyer Rd., and Wright Rd.

#3 DAMAGE DESCRIPTION and DIMENSIONS

3A What caused the damage

Facility sustained Flood Damage
Original Damages written in the following PWs; PW #6758V0, Version 1, Version2, Version3, Version4
The flood waters remained in the park for an extended period, causing severe Damage to the perimeter fence which surrounds the park and the adjacent Nature Preserve, a facility leased to the Audubon Commission. More than 50% of the Fence was destroyed by the force of moving flood waters and wind. The parts that were left standing suffered severe corrosion and staining from the standing water.
The perimeter chain link fence that surrounds the park and the adjacent nature preserve center (a facility leased to the Audubon Commission) was severely damaged

3B What were the damages, caused by the disaster and their physical dimensions?

6,600 linear feet x 6' foot high chain link fence
8,400' linear feet x 6' high chain link fence with barb wire
Two (2) 6' foot high x 20' wide singe swing chain link gates
Five (5) Steel frame entrance gates were badly stained by flood water

#4 SCOPE OF WORK (*work required to bring facility back to pre-disaster condition*)

4A What repairs have been completed?

No repairs done as of yet

#4B What repairs still need to be completed?

Replacement of Fence Dimension: 15,000 feet long 6 feet high galvanized chain link fence
Remove 15,000 linear feet x 6'H damaged fence
Replace 6,600 linear feet x 6' foot high chain link fence
Replace 8,400' linear feet x 6' high chain link fence with barb wire
Replace Two (2) 6' foot high x 20' wide singe swing chain link gates
Replace Five (5) Steel frame entrance gates (front and back) 480 SF

#4C What are the cost of the damage repairs? (Item/Quantity/Cost)

WORK COMPLETED:

WORK TO BE COMPLETED:
Flooding Damage: $213,144.80
Wind Damage: $ 0.00
Total: $213,144.80

FEDERAL EMERGENCY MANAGEMENT AGENCY

PROJECT WORKSHEET – Cost Estimate Continuation Sheet

O.M.B. No. 3067-0151
Expires April 30, 2001

DECLARATION NO.	PROJECT NO.	FIPS NO.	DATE	CATEGORY
FEMA- 1603 -DR- LA	CNO_PK1	071-55000-00	April 26, 2008	E

APPLICANT	COUNTY
City of New Orleans	Orleans Parish

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
		Site Sheet 7	/		$0.00
		Work to be done	/		$0.00
		Removal of 6'H damaged fence 02220-220-1755	15000 / LF	$2.61	$39,150.00
		6'H fence and gates 02800-130-0800	6600.00 / LF	$26.00	$171,600.00
		6'H 20" opening single swing gates 02800-130-5020	2.00 / LF	$1,075.00	$2,150.00
		(5) steel entry gates (front and back) 05910-650-6100	480.00 / EA	$0.51	$244.80
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
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			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
			/		$0.00
				TOTAL COST	$213,144.80

PREPARED BY:

FEMA Form 90-91B, SEP 98

FEDERAL EMERGENCY MANAGEMENT AGENCY

HMP Roll-Up Sheet

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	CNO-PK1	071-55000-00	04/26/2008	E

Applicant: City of New Orleans - Joe Brown Park **County:** Orleans Parish

HMP Costs, by Proposal

HMP Number	Description	Cost
Site 1	HMP for Joe Brown – (Maintenance Building, Shelters 1 & 2, Tennis Concession Building)	$16,728.60
SITE 3	HMP for Joe Brown – Shelter-Concession building	$4,889.00
Site 4	HMP for Joe Brown – Hockey Rink & Ropes Course	$2,820.00
Site 6	HMP for Joe Brown – Electrical	$7,882.05
	Total for Line Item(s) Only	$32,319.65

Recommended by (Signature)	DATE
Agency: FEMA	
Concurrence by State Applicant Liaison (signature)	DATE
Agency: STATE	
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	DATE
Agency: APPLICANT	

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

FEMA Form 90-61 (R6-1/00)

Site 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

HMP Roll-Up Sheet

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	1971V2	071-55000-00	05/29/2007	E

Applicant: City of New Orleans — County: Orleans

HMP Costs, by Proposal

HMP Number	Description	Cost
1	Standing Seam Metal Roof Shelter #2 (Ineligible) (BCA 0.49)	$0.00
2	Standing Seam Metal Roof Tennis Concession (BCA 1.18)	$14,491.25
3	CMU Partition Wall Inside Tennis Concession (Ineligible) (BCA 0.54)	$0.00
4	Elevate 1 3-Ton A/C Condenser Unit (26.7%, <100%)	$963.36
5	Epoxy floor (500SF) (Ineligible) (BCA 0.56)	$0.00
6	Elevate 1 40-Gallon Hot Water Heater (78.2%, <100%)	$483.93
7	Elevate 22 Electrical Receptacles (BCA 1.23)	$790.06
8		
	Location: Joe Brown Park, 5601 Read Blvd, New Orleans, LA 70127	
	Tennis Concession/Shelter #2	
Total for Line Item Only		$16,728.60

Recommended by (Signature):	DATE
Agency: FEMA — Alan Itzkowitz	05/31/2007
Concurrence by State Applicant Liaison (signature)	DATE
Agency: STATE	
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	DATE
Agency: APPLICANT	

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

APPLICANT	FIPS #	DISASTER #			
CITY OF NEW ORLEANS	071-55000-00	FEMA	1603	DR	LA

COUNTY	CATEGORY	DATE
ORLEANS	E	05/29/2007

LOCATION/SITE	PROJECT NUMBER
5601 READ BLVD, NEW ORLEANS, LA 70127	1971V2

DESCRIPTION OF WORK PERFORMED/PROJECT TITLE
HMP 1: STANDING SEAM METAL ROOF ON PICNIC SHELTER #2

PROJECT OFFICER
ALAN ITZKOWITZ
MITIGATOR
JOE BOB CRAVENS

FEDERAL EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	1971V2	071-55000-00	05/29/2007	E

Applicant:	CITY OF NEW ORLEANS	County:	ORLEANS

SCOPE OF MITIGATION WORK: HMP 1: Standing Seam Metal Roof on Picnic Shelter #2

This HMP is to mitigate damage to an asphalt shingle roof, caused by high winds during Hurricane Katrina. This roof will need to be completely replaced. This HMP proposes to replace the roof with a standing seam metal roof instead of an asphalt shingle. This type of roofing system will be far more hurricane resistant and will have an economic life of 40-50 years versus 15-20 years for an asphalt shingle roof. Note that as a shingle roof ages it is far more prone to wind damage. A properly installed metal roof will be constant in its wind resistance. A metal roof will also have lower maintenance costs.

This HMP is not considered cost effective per FEMA policy 9526.1. The HMP is ineligible for 406 Hazard Mitigation Funding. The BCA is 0.49, which is less than 1.0.

This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	$3,782.54

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				$0.00
2	9999	Standing Seam Metal Roof 16"wide x 1" by 3/8" Seam (RSM 07 410 700 0870)	2,430	SF	$6.20	$15,066.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
	0000	**Items Not Needed if HMP Approved**				$0.00
3	9999	Replace Asphalt Shingle Roof	24.3	SQ	($155.66)	($3,782.54)
		(RSM 07 310 100 0450) (181/SQ x .86 = 155.66)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
				Total for Line Item Only		$11,283.46

Recommended by (Signature):		DATE	
Agency: FEMA	ALAN ITZKOWITZ	05/29/2007	
Concurrence by State Applicant Liaison (signature)		DATE	
Agency: STATE			
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE	
Agency: APPLICANT			

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: CITY OF NEW ORLEANS | **PW Reference No.** 1971V2

Project Name: HMP 1: STANDING SEAM METAL ROOF ON PICNIC SHELTER #2

Damaged Element(s):
The wind of Hurricane Katrina blew off large quantities of shingles at scattered locations all over the roof. The damage was so extensive that roof repair would be impractical.

Cause of Damage:
Damage to shingles by wind was especially severe on the northeast portion of the roof.

Description of damages prevented or reduced with proposed mitigation:
This roof will need to be completely replaced, and applicant has requested that the roof be replaced with a standing seam metal roof instead of an asphalt shingle. This type of roofing system will be far more hurricane resistant and will have an economic life of 40-50 years versus 15-20 years for an asphalt shingle roof. Note that as a shingle roof ages it is far more prone to wind damage. A properly installed metal roof will be constant in its wind resistance. A metal roof will also have lower maintenance costs.

Checklist:
HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Replace 3 tab asphalt roof shingle	SQ	24.3	$155.66	$3,782.54
						$0.00
						$0.00
						$0.00
						$0.00
		(See attached CEF)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$3,782.54**

Worksheet – Cost Effectiveness:		Cost Effectiveness Calculation:	
A. Cost of damages prevented/reduced with	$3,782.54		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$11,283.46		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	298.3%	0.49	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	Parish:	ORLEANS		
Applicant:	CITY OF NEW ORLEANS		FIPS No:	071-55000-00	Cat.:	E	Date:	5/29/07
PW No.	1971V2	Project Name	HMP 1: STANDING SEAM METAL ROOF ON PICNIC S				Project #	1971V2

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$3,783	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$11,283	
3. Total Project Cost(1+2)	$15,066	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$445	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$5,522	
9. The Benefit Cost Ratio (item 8 divided by item 2)	0.49	

Approved:		Denied:	xx		
Project Officer:	ALAN ITZKOWITZ			Date:	05/29/2007
PA Mitigator	JOE BOB CRAVENS				
Comments:					

APPLICANT	FIPS #	DISASTER #			
CITY OF NEW ORLEANS	071-55000-00	FEMA	1603	DR	LA
COUNTY	CATEGORY	DATE			
ORLEANS	E	05/29/2007			
LOCATION/SITE	PROJECT NUMBER				
5601 READ BLVD, NEW ORLEANS, LA 70127	1971V2				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 2: STANDING SEAM METAL ROOF ON TENNIS COURT CONCESSION STAND					
PROJECT OFFICER					
ALAN ITZKOWITZ					
MITIGATOR					
JOE BOB CRAVENS					

FEDERAL EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	1971V2	071-55000-00	05/29/2007	E

Applicant:	CITY OF NEW ORLEANS	County:	ORLEANS

SCOPE OF MITIGATION WORK: HMP 2: Standing Seam Metal Roof on Tennis Concession Stand

This HMP is to mitigate damage to 3 tab asphalt shingle roof, caused by high winds during Hurricane Katrina. This roof will need to be completely replaced. This HMP proposes to replace the roof with a standing seam metal roof instead of a 3 tab asphalt shingle. This type of roofing system will be far more hurricane resistant and will have an economic life of 40-50 years versus 15-20 years for an asphalt shingle roof. Note that as a shingle roof ages it is far more prone to wind damage. A properly installed metal roof will be constant in its wind resistance. A metal roof will also have lower maintenance costs.

This HMP is considered cost effective per FEMA policy 9526.1, Section 7.c.3. The BCA is 1.18, which is greater than 1.0.

This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Secondary damage are/are not include based on available information. No other consequential damages are identified at this time.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	$11,907.75

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				$0.00
2	9999	Standing Seam Metal Roof 16"wide x 1" by 3/8" Seam (RSM 07 410 700 0870)	4,025	SF	$6.20	$24,955.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
	0000	**Items Not Needed if HMP Approved**				$0.00
3	9999	Replace 3 Tab Asphalt Shingle Roof	40.25	SQ	($255.00)	($10,263.75)
		(Local Vendor - HBA)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
				Total for Line Item Only		$14,691.25

Recommended by (Signature):		DATE
Agency: FEMA ALAN ITZKOWITZ		05/29/2007
Concurrence by State Applicant Liaison (signature)		DATE
Agency: STATE		
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE
Agency: APPLICANT		

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: CITY OF NEW ORLEANS | **PW Reference No.** 1971V2

Project Name: HMP 2: STANDING SEAM METAL ROOF ON TENNIS COURT CONCESSION STAND

Damaged Element(s):

The wind of Hurricane Katrina blew off large quantities of shingles at scattered locations all over the roof. Flashing and vent boots were damaged. The damage was so extensive that roof repair would be impractical.

Cause of Damage:

Damage to shingles by wind was especially severe on the northeast portion of the roof.

Description of damages prevented or reduced with proposed mitigation:

This roof will need to be completely replaced, and applicant has requested that the roof be replaced with a standing seam metal roof instead of a 3 tab asphalt shingle. This type of roofing system will be far more hurricane resistant and will have an economic life of 40-50 years versus 15-20 years for an asphalt shingle roof. Note that as a shingle roof ages it is far more prone to wind damage. A properly installed metal roof will be constant in its wind resistance. A metal roof will also have lower maintenance costs.

Checklist:

HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Replace 3 tab asphalt roof shingle	SQ	40.25	$255.00	$10,263.75
2	9999	Installation of ridge vent	LF	21	$5.30	$111.30
3	9999	Re-attach loosened diag bracing	Day	1	$457.20	$457.20
4	9999	Demolish accoustical ceiling panels	SF	450	$0.42	$189.00
5	9999	Install accoustical ceiling panels	SF	450	$1.97	$886.50
		(See attached CEF)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$11,907.75**

Worksheet – Cost Effectiveness:		**Cost Effectiveness Calculation:**	
A. Cost of damages prevented/reduced with	**$11,907.75**		15% or less of damaged elements
B. Net Cost of proposed mitigation:	**$14,691.25**		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	**123.4%**	1.18	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	Parish:	ORLEANS		
Applicant:	CITY OF NEW ORLEANS		FIPS No:	071-55000-00	Cat.:	E	Date:	5/29/07
PW No.	1971V2	Project Name	HMP 2: STANDING SEAM METAL ROOF ON TENNIS C				Project #	1971V2

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$11,908	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$14,691	
3. Total Project Cost(1+2)	$26,599	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$1,401	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$17,384	
9. The Benefit Cost Ratio (item 8 divided by item 2)	1.18	

Approved:	X		Denied:		
Project Officer:	ALAN ITZKOWITZ			Date:	05/29/2007
PA Mitigator	JOE BOB CRAVENS				
Comments:					

APPLICANT	FIPS #	DISASTER #			
City of New Orleans	071-55000-00	FEMA	1603	DR	LA
COUNTY	CATEGORY	DATE			
Orleans	E	05/29/2007			
LOCATION/SITE	PROJECT NUMBER				
5601 Read Blvd, New Orleans, LA 70127	1971V2				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 3: CMU Partition Wall Inside Tennis Concession					
PROJECT OFFICER					
Alan Itzkowitz					
MITIGATOR					
Joe Bob Cravens					

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEMA	1603	DR	LA	1971V2	071-55000-00	05/29/2007	E

Applicant:	City of New Orleans	County:	Orleans

SCOPE OF MITIGATION WORK: HMP 3 - CMU Counter in Tennis Concession Stand

This HMP is to mitigate damage to the counter inside the Tennis Concession stand, caused by Katrina flooding.

This HMP proposes to replace the gypsum board counter partition with a CMU wall partition.

This HMP is not considered cost effective per FEMA Policy 9526.1 and is ineligible for 406 Hazard Mitigation funding. The BCA is 0.54 and less than 1.0.

This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	$312.32

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				$0.00
2	9999	Brick masonry, 8" wall, below countertops	64	SF	$16.65	$1,065.60
		(RSM 04 810 650 1250)				$0.00
						$0.00
						$0.00
						$0.00
3	0000	**Items Not Needed if HMP Approved**				$0.00
4	9999	Install gypsum board partition with 3-5/8" studs	64	SF	($3.39)	($216.96)
		(RSM 09 260 100 3800)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
					Total for Line Item Only	**$848.64**

Recommended by (Signature):		DATE
Agency: FEMA — Alan Itzkowitz		05/29/2007
Concurrence by State Applicant Liaison (signature)		DATE
Agency: STATE		
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE
Agency: APPLICANT		

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: City of New Orleans | **PW Reference No.** 1971V2

Project Name: HMP 3: CMU Partition Wall Inside Tennis Concession

Damaged Element(s):
Gypsum board counter partition in Tennis Concession Stand.

Cause of Damage:
Flooding

Description of damages prevented or reduced with proposed mitigation:
By replacing the gypsum board partition with CMU wall partition flooding would not damage the CMU wall as compared as to the gypsum board partition wall.

Checklist:
HMP must meet the following:

	Technically Feasible
	Compliant with Regulations
	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Install gypsum board partition w/ 3-5/8" studs	SF	64	$3.39	$216.96
2	9999	Demo of gypsum board partition	SF	64	$1.49	$95.36
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$312.32**

Worksheet – Cost Effectiveness:		Cost Effectiveness Calculation:	
A. Cost of damages prevented/reduced with	$312.32		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$848.64		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	271.7%	0.54	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	Parish:		Orleans	
Applicant:	City of New Orleans		FIPS No:	071-55000-00	Cat.:	E	Date:	5/29/07
PW No.	1971V2	Project Name	HMP 3: CMU Partition Wall Inside Tennis Concession				Project #	1971V2

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$312	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$849	
3. Total Project Cost(1+2)	$1,161	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$37	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$456	
9. The Benefit Cost Ratio (item 8 divided by item 2)	0.54	

Approved:		Denied:	xx		
Project Officer:	Alan Itzkowitz			Date:	05/29/2007
PA Mitigator	Joe Bob Cravens				
Comments:					

FEDERAL EMERGENCY MANAGEMENT AGENCY
APPLICANT INFORMATION SHEET

APPLICANT	FIPS #	DISASTER #			
CITY OF NEW ORLEANS	**071-55000-00**	FEMA	**1603**	DR	**LA**
COUNTY	CATEGORY	DATE			
ORLEANS	**E**	05/29/2007			
LOCATION/SITE	PROJECT NUMBER				
5601 READ BLVD, NEW ORLEANS, LA 70127	**1971V2**				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 4: Elevate 1 3-Ton Condenser Unit					
PROJECT OFFICER					
ALAN ITZKOWITZ					
MITIGATOR					
JOE BOB CRAVENS					

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	PW 1971V2	071-55000-00	05/29/2007	E

Applicant: City of New Orleans **County:** Orleans

SCOPE OF MITIGATION WORK: HMP 4: Elevate AC Unit

Hurricane Katrina made landfall causing flood damage to Joe Brown Park Tennis Concession Stand. The Bldg was inundated by ~4 feet of flood water for an extended period of time causing permanent damage to the exterior mechanical equipment.

Mitigation will be achieved by elevating one 3-ton HVAC condenser unit 5 feet or above flood of record. Furnish and install a platform approximately 4' long x 4' wide x 5' high. The exact size shall be verified with the equipment supplier. Electrical services shall be extended to the elevated or relocated units.

This HMP is considered cost effective per FEMA policy 9526.1, Section 7.c.2., Appendix A, 2.A.2. The net cost is 26.7%, which is <100.

This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet **$3,612.00**

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0	**Items needed if HMP is approved**				
2	9999	4"x4" treated wood post (RSM 06110 552 0100)	28	LF	$3.82	$106.96
3	9999	2"x4" treated wood studs (RSM 06110-552-0160)	20	LF	$2.81	$56.20
4	9999	2"x4" treated decking (RSM 06110-552-0410)	18	LF	$3.31	$59.58
5	9999	2"x4" rails & trim (RSM 06110 552-0380)	12	LF	$2.01	$24.12
6	9999	Framing Connector (RSM 06090 800 1160)	10	EA	$3.15	$31.50
7	9999	Paints & protective coating, epoxy topcoat, sprayed	25	SF	$0.42	$10.50
8	9999	Paints & protective coating, epoxy primer, sprayed	25	SF	$0.45	$11.25
9	9999	Bolts and Nuts (Misc)	1	LS	$20.00	$20.00
10	9999	Labor	1	LS	$500.00	$500.00
11	9999	Extend wiring and conduit (RS Means 051204400740)	5	LF	$18.35	$91.75
12	9999	Extend 3/4" Copper Ref. Lines (RS Means 151074201140)	5	LF	$5.05	$25.25
13	9999	Insulation 3/4" Copper Lines (RS Means 150806004286)	5	LF	$5.25	$26.25
						$0.00
						$0.00
						$0.00
					Total for Line Item Only	**$963.36**

Recommended by (Signature):	**DATE**
Agency: FEMA **ALAN ITZKOWITZ**	05/29/2007
Concurrence by State Applicant Liason (signature)	**DATE**
Agency: STATE	
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	**DATE**
Agency: APPLICANT	

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency
1607 Rita Hazard Mitigation Checklist

Applicant: CITY OF NEW ORLEANS | **PW Reference No.** 1971V2

Project HMP 4: Elevate 1 3-Ton Condenser Unit

Damaged Element(s):
(1) - 3 ton condenser unit mounted on concrete pad on grade.

Cause of Damage:
Floodwaters caused by Hurricane Katrina. Waters were approximately 4' above grade level.

Description of damages prevented or reduced with proposed mitigation:
1 - 3 ton condenser unit will not be required to be replaced due to flood waters..

Checklist:
HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Replace 1 3-Ton Condensing Unit	LS	1	$3,612.00	$3,612.00
						$0.00
		(RSM 15 730 840 0200)				$0.00
		(4,200 x .86 = 3,612)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$3,612.00**

Worksheet – Cost Effectiveness:

A. Cost of damages prevented/reduced with	$3,612.00
B. Net Cost of proposed mitigation:	$963.36
C. Net Cost of mitigation / Cost of damages:	26.7%

Cost Effectiveness Calculation:

	15% or less of damaged elements
X	Appendix A measure (100% list)
5.47	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency
Mitigation Benefit and Cost Effectiveness Analysis

Delaration No:	**FEMA -**	**1603**	**DR-**	**LA**	**Parish:**	ORLEANS	
Applicant:	CITY OF NEW ORLEANS		**FIPS No:**	071-55000-00	**Cat.:** E	**Date:**	5/29/07
PW No.	1971V2	**Project Name**	HMP 4: Elevate 1 3-Ton Condenser Unit			**Project #**	1971V2

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$3,612	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$963	
3. Total Project Cost(1+2)	$4,575	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$425	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$5,273	
9. The Benefit Cost Ratio (item 8 divided by item 2)	**5.47**	

Approved: XX		Denied:	
Project Officer:	ALAN ITZKOWITZ	Date:	05/29/2007
PA Mitigater	JOE BOB CRAVENS		
Comments:			

FEDERAL EMERGENCY MANAGEMENT AGENCY

APPLICANT INFORMATION SHEET

APPLICANT	FIPS #	DISASTER #			
CITY OF NEW ORLEANS	071-55000-00	FEMA	1603	DR	LA
PARISH	CATEGORY	DATE			
ORLEANS	E	05/29/2007			
LOCATION/SITE	PROJECT NUMBER				
5601 READ BLVD, NEW ORLEANS, LA 70127	1971V2				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 5: Epoxy Flooring Wet Floodproofing					
PROJECT OFFICER					
ALAN ITZKOWITZ					
MITIGATOR					
JOE BOB CRAVENS					

FEDERAL EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	1971V2	071-55000-00	05/29/2007	E

Applicant: CITY OF NEW ORLEANS — Parish: ORLEANS

SCOPE OF MITIGATION WORK: HMP 5: Epoxy Flooring in Tennis Concession

VCT flooring has released from the slab because of 4 foot brackish flood waters sustained over a period time. The proposed mitigation is to apply an epoxy finish for wetflood proofing. This type of floor would be far more resistant to flood damage. The likelihood of the epoxy floor falling in the future is greatly reduced.

The HMP is not cost effective according to FEMA Policy 9526.1. The HMP is ineligible for 406 Mitigation Funding. The BCA is 0.56, which is less than 1.0.

Description of damages prevent or reduce with proposed mitigation: The likelihood of the VCT floor tile releasing due to water will be eliminated.

This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

ESTIMATE OF WORK

Item	CEF	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				
2	9999	Non Skid Epoxy Floor - R.S.Means C3020 430 1100	500	SF	$5.97	$2,985.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
3	0000	**Items not needed if HMP approved**				$0.00
4	9999	Replace carpet/VCT (500 sf)	500	SF	($1.66)	($830.00)
		(RSM09 658 100 7200)				$0.00
		(1.93/sf x 0.86 = 1.66)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
				Total for Line Item Only		**$2,155.00**

Recommended by (Signature):	**DATE**
Agency: FEMA ALAN ITZKOWITZ	**11/01/2006**
Concurrence by State Applicant Liason (signature)	**DATE**
Agency: STATE	
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	**DATE**
Agency: APPLICANT	

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency
1607 Rita Hazard Mitigation Checklist

Applicant: CITY OF NEW ORLEANS | PW Reference No. 1971V2

Project Name: HMP # 5

Damaged Element(s):
500 sf vinyl flooring released from the slab.

Cause of Damage:
4 feet of brackish flood waters caused the adhesive to fail and the VCT came loose from the slab.

Description of damages prevented or reduced with proposed mitigation:
VCT flooring will not need to be replaced after another flood event.

Checklist:
HMP must meet the following:

x	Technically Feasible
x	Compliant with Regulations
x	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Replace Vinyl Flooring (500 sf)	500	SF	$1.66	$830.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
Total Cost of Damages Prevented or Reduced by the Mitigation						**$830.00**

Worksheet – Cost Effectiveness:

A. Cost of damages prevented/reduced with	$830.00		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$2,155.00		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	259.6%	0.56	Benefit Cost Analysis, BCA >1.0

Cost Effectiveness Calculation:

Federal Emergency Management Agency
Mitigation Benefit and Cost Effectiveness Analysis

Delaration No:	**FEMA -**	**1603**	**DR-**	**LA**	**Parish:**	ORLEANS	
Applicant:	City of New Orleans		**FIPS No:**	071-55000-00	**Cat.:** E	**Date:**	5/29/07
PW No.	1971V2	**Project Name**	Joe Brown Tennis Concession			**Project #**	1971V2

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$830	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$2,155	
3. Total Project Cost(1+2)	$2,985	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$98	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$1,212	
9. The Benefit Cost Ratio (item 8 divided by item 2)	**0.56**	

Approved:		Denied: xx	
Project Officer:	ALAN ITZKOWITZ	Date:	05/29/2007
PA Mitigater	JOE BOB CRAVENS		
Comments:			

FEDERAL EMERGENCY MANAGEMENT AGENCY
APPLICANT INFORMATION SHEET

APPLICANT	FIPS #	DISASTER #			
CITY OF NEW ORLEANS	**071-55000-00**	FEMA	**1603**	DR	**LA**
COUNTY	CATEGORY	DATE			
ORLEANS	**E**	05/29/2007			
LOCATION/SITE	PROJECT NUMBER				
5601 READ BLVD, NEW ORLEANS, LA 70127	**1971V2**				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 6: Elevate 1 40-Gallon Hot Water Heater					
PROJECT OFFICER					
ALAN ITZKOWITZ					
MITIGATOR					
JOE BOB CRAVENS					

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	PW 1971V2	071-55000-00	05/29/2007	E

Applicant: City of New Orleans **County:** Orleans

SCOPE OF MITIGATION WORK: HMP 6: Elevate 40-gallon Hot Water Heater

Hurricane Katrina made landfall causing flood damage to Joe Brown Park Tennis Concession Stand. The Bldg was inundated by ~4 feet of flood water for an extended period of time causing permanent damage to the interior mechanical equipment.

Mitigation will be achieved by elevating one 40-gallon hot water heating unit 5 feet. The exact size shall be verified with the equipment supplier. Electrical and plumbing services shall be extended to the elevated or relocated unit.

This HMP is considered cost effective per FEMA policy 9526.1, Section 7.c.2., Appendix A, 2.A.2. The net cost is 78.2%, which is <100%.

This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet **$619.20**

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0	**Items needed if HMP is approved**				
2	9999	4" x 4" treated wood post (RSM 06 110 552 0100)	22	LF	$3.82	$84.04
3	9999	2" x 4" treated wood studs (RSM 06 110 552 0160)	6.25	LF	$2.81	$17.56
4	9999	2" x 4" treated wood decking (RSM 06 110 552 0410)	8	LF	$3.31	$26.48
5	9999	Framing Connector (RSM 06090 800 1160)	4	EA	$3.15	$12.60
6	9999	Paints & protective coating, epoxy topcoat, sprayed	25	SF	$0.42	$10.50
7	9999	Paints & protective coating, epoxy primer, sprayed	25	SF	$0.45	$11.25
8	9999	Bolts and Nuts (Misc)	1	LS	$20.00	$20.00
9	9999	Labor	1	LS	$250.00	$250.00
10	9999	Extend 3/4" Copper Ref. Lines (RS Means 151074201140)	5	LF	$5.05	$25.25
11	9999	Insulation 3/4" Copper Lines (RS Means 150806004286)	5	LF	$5.25	$26.25
						$0.00
						$0.00
						$0.00
					Total for Line Item Only	**$483.93**

Recommended by (Signature):	**DATE**
Agency: FEMA **ALAN ITZKOWITZ**	**05/29/2007**
Concurrence by State Applicant Liason (signature)	**DATE**
Agency: STATE	
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	**DATE**
Agency: APPLICANT	

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency
1607 Rita Hazard Mitigation Checklist

Applicant: CITY OF NEW ORLEANS | **PW Reference No.** 1971V2

Project HMP 6: Elevate 1 40-Gallon Hot Water Heater

Damaged Element(s):
(1) - 40-gallon hot water heater mounted on metal frame on grade.

Cause of Damage:
Floodwaters caused by Hurricane Katrina. Waters were approximately 4' above grade level.

Description of damages prevented or reduced with proposed mitigation:
1 - 40-gallon hot water heater will not be required to be replaced due to flood waters..

Checklist:
HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Replace 1 40-Gallon Hot Water Heater	EA	1	$619.20	$619.20
		(720 x 0.86 = 619.20)				$0.00
		(RSM 11 454 500 6900)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$619.20**

Worksheet – Cost Effectiveness:		**Cost Effectiveness Calculation:**	
A. Cost of damages prevented/reduced with	$619.20		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$483.93	X	Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	78.2%	1.87	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency
Mitigation Benefit and Cost Effectiveness Analysis

Delaration No:	**FEMA -**	**1603**	**DR-**	**LA**	**Parish:**	ORLEANS	
Applicant:	CITY OF NEW ORLEANS		**FIPS No:**	071-55000-00	**Cat.:** E	**Date:**	5/29/07
PW No.	1971V2	**Project Name**	HMP 6: Elevate 1 40-Gallon Hot Water Heater			**Project #**	1971V2

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$619	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$484	
3. Total Project Cost(1+2)	$1,103	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$73	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$904	
9. The Benefit Cost Ratio (item 8 divided by item 2)	**1.87**	

Approved: XX		Denied:	
Project Officer:	ALAN ITZKOWITZ	Date:	05/29/2007
PA Mitigater	JOE BOB CRAVENS		

Comments:

APPLICANT	FIPS #	DISASTER #			
City Of New Orleans	071-55000-00	FEMA	1603	DR	LA
COUNTY	CATEGORY	DATE			
Orleans Parish	E	05/31/2007			
LOCATION/SITE	PROJECT NUMBER				
5601 Read Blvd, New Orleans, LA 70127	1971V2				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
HMP 7, Raise Electric Outlets					
PROJECT OFFICER					
Alan Itzkowitz					
MITIGATOR					
Joe Bob Cravens					

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEMA	1603	DR	LA	1971V2	071-55000-00	05/31/2007	E

Applicant:	City Of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK: HMP 7, Raise Electric Outlets

This HMP is to mitigate damage to the electric outlets, caused by Flooding at Joe Brown Tennis Concession.

During the Hurricane Katrina event the electric outlets that were mounted 12" to 42" above the floor in the building which was inundated with floodwaters that reached a height of 3.5' in depth. The mitigation measure will raise the outlets >4 feet.

Floodwaters entered electrical outlets and subsequently shorted out all wires which resulted in damage to the outlets rendering this equipment useless and considered destroyed and requiring replacement.

This HMP is considered cost effective per FEMA Policy 9526.1., Section 7.c.2., Appendix A, Section 2.A.2. The BCA is 1.23, which is greater than 1.0.

This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	**$667.04**

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				
2	9999	Raise Outlets to 4' above floor level.	1	LS	$1,397.70	$1,397.70
		(See attached calculation)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
3	0000	**Items Not Needed if HMP Approved**				$0.00
4	9999	Replace outlets at current location	22	EA	$27.62	-$607.64
						$0.00
						$0.00
						$0.00
						$0.00
					Total for Line Item Only	**$790.06**

Recommended by (Signature):		**DATE**
Agency: FEMA Alan Itzkowitz		08/29/2006
Concurrence by State Applicant Liaison (signature)		**DATE**
Agency: STATE		
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		**DATE**
Agency: APPLICANT		

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: City Of New Orleans | **PW Reference No.** 1971V2

Project Name: HMP 7, Raise Electric Outlets

Damaged Element(s):

During the Hurricane Katrina event electric outlet unit which were mounted at the 12" to 42" level in the building was inundated with floodwaters that reached a height of 3.5' in depth. The implementation of the proposed mitigation will prevent flood damage to outlets; and significantly reduce the likelihood of need to replace the equipment should a similar event occur in the future.

Cause of Damage:

Floodwaters entered the electric outlets units and subsequently shorted out all the wires which resulted in damage to the outlets; rendering this equipment useless and considered destroyed and requiring replacement

Description of damages prevented or reduced with proposed mitigation:

The implementation of the proposed mitigation will prevent the need to remove and replace the affected equipment (electric outlets) in event of a similar occurance in the future.

Checklist:

HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Removal of electric components	Ea	22	$2.70	$59.40
2	9999	Replacement of electric outlets.	Ea	22	$27.62	$607.64
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$667.04**

Worksheet – Cost Effectiveness:		**Cost Effectiveness Calculation:**	
A. Cost of damages prevented/reduced with	**$667.04**		15% or less of damaged elements
B. Net Cost of proposed mitigation:	**$790.06**		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	**118.4%**	1.23	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency
Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	Parish:		Orleans Parish		
Applicant:	City Of New Orleans		FIPS No:	071-55000-00	Cat.:	E	Date:	5/31/07	
PW No.	1971V2	Project Name	HMP 7, Raise Electric Outlets				Project #	1971V2	
1. Cost to Repair to pre-disaster condition in accordance with applicable standards.							$667		
2. Additional cost to mitigate the damage (Cost of Mitigation)							$790		
3. Total Project Cost(1+2)							$1,457		
4. Frequency of the event causing the damage (for a 50 year event, enter 50)							8.5		yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)							$78		
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)							30		yrs
7. Discount Rate.							7.00%		
8. The Present Value of Future Project Benefits							$974		
9. The Benefit Cost Ratio (item 8 divided by item 2)							1.23		
Approved:	XX			Denied:					
Project Officer:	Alan Itzkowitz					Date:	05/31/2007		
PA Mitigator	Joe Bob Cravens								
Comments:									

Site 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
HMP Roll-Up Sheet

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	CP - 67	071-55000-00	11/22/2005	E

Applicant: City of New Orleans **County:** Orleans Parish

HMP Costs, by Proposal

HMP Number	Description	Cost
1	Replace wood cabinets with stainless steel shelving	$472.00
	Add CEF cost adjustment	$446.00
	Total Cost - HMP 1	$918.00
2	Raise the 40-gallon water heater	$1,619.00
	Add CEF cost adjustment	$1,381.00
	Total Cost - HMP 2	$3,000.00
3	Raise the indoor, wall-mounted electrical panel	$501.20
	Add CEF cost adjustment	$469.80
	Total Cost - HMP 3	$971.00
	NOTE: HMP's 1 and 3 are items embedded in the CEF, Part A estimate under disposal of building contents (cabinetry, HMP 1) and interior building renovation (electrical repairs, HMP 3).	
	Total for Line Item Only	$4,889.00

Recommended by (Signature)	DATE
Agency: FEMA Jayne D. Deaux, Project Officer	4/28/06
Concurrence by State Applicant Liaison (signature)	DATE
Agency: STATE	5/16/06
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	DATE
Agency: APPLICANT Ron J. Brand	5/11/06

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

FEMA Form 90-61 (R6-1/00)

FEDERAL EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION PROPOSAL (HMP) #1 OF 3

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEMA	1603	DR	LA	CP-67	071-55000-00	11/22/2005	E

Applicant:	City of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK:

This HMP is to mitigate damage caused by floodwaters to the wood cabinets and working counter in the Shelter/Concession Building.

This HMP proposes to replace the wood cabinets and working counter with stainless steel open shelving and a stainless steel working counter. Material cost for two (2) heavy duty, stainless steel wall-mounted shelves (12" x 120") is $1,018, and a stainless steel serving table, with mid-shelf (30" x 96") is $986. Cost for shelf mounting materials and installation labor of all materials is estimated to be 2 hours, 2 men, at the labor rate of $55/hour = $220, for a total material and installation cost of $2,224. Vendor material information is included in the Attachment section of the PW.

This HMP is considered cost effective per FEMA policy 95261, Section 7.c.3.
This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

NOTE: The wood cabinets in the Shelter/Concession Building is part of a cost line item in Part A of the CEF, for clearing and disposal of building contents.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	$1,871.70

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	Items Needed if HMP Approved				$0.00
2	9999	Install stainless steel shelving and worktable	1	EA	$2,224.00	$2,224.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
3	0000	Items Not Needed if HMP Approved				$0.00
4	9999	Replace in-kind wall-mounted wood cabinetry	-4	EA	$254.00	($1,016.00)
5	9999	Replace in-kind base cabinet w/countertop	-1	EA	$736.00	($736.00)
						$0.00
						$0.00
						$0.00
						$0.00
				Total for Line Item Only		$472.00

Recommended by (Signature)		DATE
Agency: FEMA	Jay W. Dean Jay W. Dean, Project Officer	4/28/06
Concurrence by State Applicant Liaison (signature)		DATE
Agency: STATE		5/16/06
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE
Agency: APPLICANT	Ronald J. Bernard	5/11/06

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist - HMP #1 of 3

Applicant: City of New Orleans | **PW Reference No.** CP-67

Project Name: Shelter/Concession (Bldg. 347) and Ballfields

Damaged Element(s):
Floor and wall-mounted wood cabinets.

Cause of Damage:
Floodwaters inundated the Shelter/Concession Building.

Description of damages prevented or reduced with proposed mitigation:
Kitchen equipment and food stuffs will be above FEMA-established Advisory Base Flood Elevation.

Checklist:
HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Demolish wood cabinetry	LF	14	$8.55	$119.70
2	9999	Replace in-kind wall-mounted wood cabinetry	EA	4	$254.00	$1,016.00
3	9999	Replace in-kind base cabinet w/countertop	EA	1	$736.00	$736.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$1,871.70**

Worksheet – Cost Effectiveness:		Cost Effectiveness Calculation:	
A. Cost of damages prevented/reduced with	$1,871.70		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$472.00		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	25.2%	4.94	Benefit Cost Analysis, BCA >1.0

FEDERAL EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION PROPOSAL (HMP) #2 OF 3

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEMA	1603	DR	LA	CP-67	071-55000-00	11/22/2005	E

Applicant:	City of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK:

This HMP is to mitigate damage caused by floodwaters to the floor-mounted electric water heater in the Shelter/Concession Building.

This HMP proposes to elevate the bottom of the 40-gallon electric water heater 5.5-feet above the existing base elevation, or 1-foot above the FEMA-established Advisory Base Flood Elevation. A support frame using steel angle (2" x 2" x 1/4") is proposed. Work will require readjustment of the length of connecting water line piping, securing of the frame to the concrete block wall, and proper sealing of the intrusion of the top of the water tank into the attic area. The fabrication and installation cost is estimated to be completed in 4 hours, with associated costs as follows: 40LF of angle iron x $28.50/LF = $1,140; labor of a plumber ($257/4-hours) and carpenter ($222/4-hours) = $257 + $222 = $479, for a total installed cost, including materials and labor, of $1,619.

This HMP is considered cost effective per FEMA policy 95261, Section 7.c.3.
This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

NOTE: Angle steel cost is derived from RS Means Cost Codes 2006 (05120-440-0472), and includes material and labor costs for fabrication and installation of the water heater support frame only.

Total Cost of Damages Prevented or Reduced by the Mitigation In accordance with attached worksheet	$1,527.68

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	Items Needed if HMP Approved				$0.00
2	9999	Fabricated support frame for water heater	1	EA	$1,619.00	$1,619.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
	0000	Items Not Needed if HMP Approved				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
				Total for Line Item Only		$1,619.00

Recommended by (Signature)		DATE
Agency: FEMA	Jay W. Dean — Jay W. Dean, Project Officer	4/28/06
Concurrence by State Applicant Liaison (signature)		DATE
Agency: STATE		5/16/06
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE
Agency: APPLICANT		5/18/06

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist - HMP #2 of 3

Applicant: City of New Orleans | **PW Reference No.** CP-67

Project Name: Shelter/Concession (Bldg. 347) and Ballfields

Damaged Element(s):
The floor-mounted, 40-gallon electric water heater.

Cause of Damage:
Floodwaters inundated the Shelter/Concession Building to a depth of 4-feet.

Description of damages prevented or reduced with proposed mitigation:
The base of the floor-mounted, 40-gallon electric water heater will be above the FEMA-established Advisory Base Flood Elevation.

Checklist:
HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Replace existing 40-gallon electric water heater	EA	1	$1,527.68	$1,527.68
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
Total Cost of Damages Prevented or Reduced by the Mitigation						**$1,527.68**

Worksheet – Cost Effectiveness:		**Cost Effectiveness Calculation:**	
A. Cost of damages prevented/reduced with	**$1,527.68**		15% or less of damaged elements
B. Net Cost of proposed mitigation:	**$1,619.00**		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	**106.0%**	1.18	Benefit Cost Analysis, BCA >1.0

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP) #3 OF 3

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEMA	1603	DR	LA	CP-67	071-55000-00	11/22/2005	E

Applicant:	City of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK:

This HMP is to mitigate damage caused by floodwaters to the wall-mounted electrical panel in the Shelter/Concession Building.

This HMP proposes to elevate the bottom of the interior, wall-mounted electrical panel 5.5-feet above the existing base elevation, or at least 1-foot above the FEMA established Advisory Base Flood Elevation. The cost to raise the new wall-mounted electrical panel is estimated to require 2 men, 4 hours, at the labor rate of $62.65/hour = $501.20.

This HMP is considered cost effective per FEMA policy 95261, Section 7.c.3.
This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

NOTE: The wall-mounted electrical panel in the Shelter/Concession Building is embedded as part of the square-foot cost line item in Part A of the CEF, for electrical replacement/upgrade of the building.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	$1,684.00

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	Items Needed if HMP Approved				$0.00
2	9999	Raise the indoor, wall-mounted electrical panel	1	EA	$501.20	$501.20
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
	0000	Items Not Needed if HMP Approved				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
				Total for Line Item Only		$501.20

Recommended by (Signature)	DATE
Agency: FEMA Jay W. Dean Jay W. Dean, Project Officer	4/28/06
Concurrence by State/Applicant Liaison (signature)	DATE
Agency: STATE	5/16/06
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	DATE
Agency: APPLICANT	5/11/06

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist - HMP #3 of 3

Applicant: City of New Orleans | **PW Reference No.** CP-67

Project Name: Shelter/Concession (Bldg. 347) and Ballfields

Damaged Element(s):
The interior wall-mounted electrical panel board.

Cause of Damage:
Floodwaters inundated the Shelter/Concession Building to a depth of 4-feet.

Description of damages prevented or reduced with proposed mitigation:
The electrical panel will be above the FEMA-established Advisory Base Flood Elevation.

Checklist:
HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Demolish existing electrical panel	EA	1	$209.00	$209.00
2	9999	Replace in-kind existing electrical panel	EA	1	$1,475.00	$1,475.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$1,684.00**

Worksheet – Cost Effectiveness:		Cost Effectiveness Calculation:	
A. Cost of damages prevented/reduced with	$1,684.00		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$501.20		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	29.8%	4.19	Benefit Cost Analysis, BCA >1.0

Site 4

APPLICANT	FIPS #	DISASTER #			
City of New Orleans	071-55000-00	FEMA	1603	DR	LA
COUNTY	CATEGORY	DATE			
Orleans Parish	G	07/14/2006			
LOCATION/SITE	PROJECT NUMBER				
Joe Brown Hockey Rink & Ropes Course	CP-244				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
Pedestrian Bridge					
PROJECT OFFICER					
Jessica Davenport					
MITIGATOR					
Joe Bob Cravens					

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	CP-244	071-55000-00	July 14, 2006	G

Applicant:	City of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK:

HURRICANE KATRINA CAUSED CATASTROPHIC DAMAGE DURING THE INCIDENT PERIOD OF AUGUST 29, 2005 TO NOVEMBER 1, 2005 WHICH RESULTED IN THE DAMAGE TO THE JOE BROWN MEMORIAL PARK. BASED ON VISUAL OBSERVATIONS, JOE BROWN HOCKEY RINK AND ROPES COURSE WAS ADVERSELY AFFECTED BY FLOODING. THE DAMAGE TO THE GROUND INCLUDED: 120 SF OF CONCRETE SIDEWALK LAYED OVER WOODEN BRIDGE, 50% OF 60' SPAN, 4 FT WIDE.

THE HMP PROPOSES TO INSTALL A PREFABRICATED CONCRETE BRIDGE SPAN INSTEAD OF A WOODEN BRIDGE AS BEFORE.

THE COST OF MITIGATION IS 5.84, WHICH IS >1.0 AND THE COST IS CONSIDERED COST EFFECTIVE IN ACCORDANCE WITH FEMA POLICY 9526.1, PAR 7.C.3.

THE DAMAGE TO THE PEDESTRIAN BRIDGE WILL BE LESS LIKELY TO OCCUR.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	$7,080.00

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				
2	909	Prefabricated Concrete Pedestrian Bridge	120	SF	$82.50	$9,900.00
		(RSM 028502100050)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
	0000	**Items Not Needed if HMP Approved**				$0.00
3	9999	Prefabricated Laminated Pedestrian Bridge	120	SF	($59.00)	($7,080.00)
		(RSM 028502101600)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
					Total for Line Item Only	**$2,820.00**

Recommended by (Signature):		DATE
Agency: FEMA Jessica Davenport		07/15/2006
Concurrence by State Applicant Liaison (signature)		DATE
Agency: STATE		
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE
Agency: APPLICANT		

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: City of New Orleans | **PW Reference No.** CP-244

Project Name: Pedestrian Bridge

Damaged Element(s):
Pedestrian bridge over shallow gully.

Cause of Damage:
Flooding

Description of damages prevented or reduced with proposed mitigation:
This will be mitigated by installing a stronger pedestrian bridge able to withstand flooding.

Checklist:
HMP must meet the following:

	Technically Feasible
	Compliant with Regulations
	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Pedestrian Bridge Laminated Wood	SF	120	$59.00	$7,080.00
		(RSM 028502101600)				$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$7,080.00**

Worksheet – Cost Effectiveness:		**Cost Effectiveness Calculation:**	
A. Cost of damages prevented/reduced with	**$7,080.00**		15% or less of damaged elements
B. Net Cost of proposed mitigation:	**$2,820.00**		Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	**39.8%**	3.67	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	Parish:		Orleans Parish		
Applicant:	City of New Orleans		FIPS No:	071-55000-00	Cat.:	G	Date:	7/14/06	
PW No.		Project Name	Pedestrian Bridge				Project #	CP-244	
1. Cost to Repair to pre-disaster condition in accordance with applicable standards.							$7,080		
2. Additional cost to mitigate the damage (Cost of Mitigation)							$2,820		
3. Total Project Cost(1+2)							$9,900		
4. Frequency of the event causing the damage (for a 50 year event, enter 50)							8.5		yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)							$833		
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)							30		yrs
7. Discount Rate.							7.00%		
8. The Present Value of Future Project Benefits							$10,336		
9. The Benefit Cost Ratio (item 8 divided by item 2)							3.67		
Approved:				Denied:					
Project Officer:	Jessica Davenport					Date:	07/15/2006		
PA Mitigator	Joe Bob Cravens								
Comments:									

Hurricanes Katrina and Rita
FEMA-DR-1603/1607-LA
Information Sheet # 016

MITIGATION

During the repair of damaged components of facilities, there may be opportunities to prevent recurrence or similar damage from future, similar disaster events. Mitigation measures are in addition to any measures undertaken to comply with applicable codes and standards. Hazard mitigation funding under Section 406 of the Stafford Act is discussed in FEMA policy #9526.1.

Benefit/Cost Guidance for the 406 Mitigation Program

- Only FEMA approved benefit/cost models will be acceptable
- The following fixed values are approved when using a benefit/cost model to determine the cost effectiveness of a proposed hazard mitigation measure:
  - The event return frequency for FEMA-1603/1607-DR-LA is 8.5 years.
  - Discount rate is 7%.
  - Effective life of damaged elements (in years):

- Steel and Concrete Bridges	50	- Buildings	50
- Electric Utility Lines	50	- Mechanical Equipment	30
- Timber Bridges	30	- Computer Equipment	10
- Paved Roads	25	- Building Contents	20
- Gravel Roads	15	- Erosion Control (rip rap)	20

General Mitigation Guidance:
For facilities damaged by the above referenced disasters that are within communities participating in the National Flood Insurance Program (a listing can be found at http://www.fema.gov/fema/csb.shtm), where the cost of repair/restoration of the facility back to its predisaster condition would equal or exceed 50% of the predisaster fair market value of the facility, building to the Base Flood Elevation (BFE) will be considered as building to an applicable code/standard. In addition, mitigation funding will be considered for measures to address the new flood advisory elevations within that community.

Site 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
HMP Roll-Up Sheet

Declaration No.	Applicant Project No.	FIPS Number	Date:	Category:
FEMA 1603 DR LA	CP - 79	071-55000-00	06/21/2006	E

Applicant: City of New Orleans - Joe Brown Park **County:** Orleans Parish

HMP Costs, by Proposal

HMP Number	Description	Cost
1	HMP- 1, Vault #2 Extend conduit to raise electrical equipment Total Cost	$1,634.05
2	HMP- 2, Vault #6 Extend conduit to raise electrical equipment Total Cost	$1,833.70
3	HMP- 3, Vault #7 Extend conduit to raise electrical equipment Total Cost	$1,035.10
4	HMP- 4, Vault #7 Extend conduit to raise electrical equipment Total Cost	$3,379.20
	Total for Line Item(s) Only	$7,882.05

Recommended by (Signature)	DATE 7/19/2006
Agency: FEMA	
Concurrence by State Applicant Liaison (signature)	DATE
Agency: STATE	
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)	DATE
Agency: APPLICANT	

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

FEMA Form 90-61 (R6-1/00)

APPLICANT	FIPS #	DISASTER #			
City Of New Orleans	071-55000-00	FEMA	1603	DR	LA
COUNTY	CATEGORY	DATE			
Orleans Parish	E	06/21/2006			
LOCATION/SITE	PROJECT NUMBER				
Joe Brown Park - Exterior Electric	CP-79				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
Raise Damaged Equipment					
PROJECT OFFICER					
Ashraf Siddiq					
MITIGATOR					
Ashraf Siddiq					

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEM A	1603	DR	LA	CP-79	071-55000-00	06/21/2006	E

Applicant:	City Of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK: HMP-2 of 4, Vault #6 - Extend Conduit to Raise Electrical Equipment

This HMP is to mitigate damage to the damaged Exterior Electrical Equipment at Joe Brown Park, which was damaged by standing flood waters.
The junction box, electric panel, circuit breakers, receptacles and switches are installed about 3' above finished grade.The flood waters level at this part of the park was about 4 ft. Raising the equipment by 1.5 ft. will prevent the new equipment from damage by a similar flood in the future. This will require the existing steel conduits to be extended by 1.5 ft. Depending on location of the raised equipment, two concrete platforms (1-1/2' x 2' x4') will have to build for maintenance staff to be able to service the equipment.

The HMP is considered cost effective per RR policy 95261, Section 7.c. 2 appendix A paragraph 2.a.2 .
This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	**$1,979.05**

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				
	161322100620	Extend 2-1/2" Conduit for 24"x24"x6" junction box *(Labor intensive)	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2 " Conduit for 12-circuit electrical panel	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2" Conduit for two (2) 2-pole 100 AMP circuit breakers *(Labor intensive)	3.0	LF	$121.00	$363.00
	161322100620	Extend 2-1/2" Conduit for two (2) 1-pole 20 AMP circuit breakers *(Labor intensive)	3.0	LF	$121.00	$363.00
	161322100620	Extend 2-1/2" Conduit for one (1) 120 Volt/20 AMP receptacle *(Labor intensive)	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2" Conduit for one (1) 120 Volt/20 AMP lights and switch *(Labor intensive)	1.5	LF	$121.00	$181.50
	33102403940	Reinforced concrete platform (2' x 1.5' x 8')	1.0	CY	$215.00	$215.00
	9999	Applicant's Project Management Costs - 10%				$166.70
	NOTE	**The cost of installation of equipment is included in CEF**				$0.00
						$0.00
	0000	**Items Not Needed if HMP Approved**				$0.00
						$0.00
		* (Due to making connections to junction boxes and undamaged equipment)				$0.00
					Total for Line Item Only	**$1,833.70**

Recommended by (Signature):		**DATE**	**07/19/2006**
Agency: FEMA	**Ashraf Siddiq**		
Concurrence by State Applicant Liaison (signature)		**DATE**	
Agency: STATE			
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		**DATE**	
Agency: APPLICANT			

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: City Of New Orleans | **PW Reference No.** CP-79

Project Name: Raise Damaged Equipment

Damaged Element(s): HMP 2 of 4

During the Hurricane Katrina event one (1) 24"x24"x6" junction box, one (1) 12-circuit electrical panel, two (2) 2-pole 100 AMP circuit breakers, two (2) 1-pole 20 AMP circuit breakers, 120 Volt/20 AMP receptacle and one (1) 120 Volt/20 AMP lights and switch damaged by salty flood waters. The flood waters level at this part of the park was about 4 ft. Some equipment was under water partially and some smaller ones such as switches and receptacles were submerged entirely. The implementation of the proposed mitigation will prevent flood damage to electrical components; and, significantly reduce the likelihood of need to replace the equipment should a similar event occur in the future.

Cause of Damage:

Standing salt water in the vault caused corrosion and rusting of the current-carrying parts of the electrical equipment which made them useless and considered destroyed and requiring replacement.

Description of damages prevented or reduced with proposed mitigation:

The implementation of the proposed mitigation will prevent the need to remove and replace the affected electrical equipment in event of a similar occurance in the future.

Checklist:

HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Remove 24"x24"x6" junction box	Ea	1	$29.00	$29.00
2	9999	Replace 24"x24"x6" junction box	Ea	1	$223.00	$223.00
3	9999	Remove 12 circuit electrical panels	Ea	1	$137.00	$137.00
4	9999	Replace 12 circuit electrical panels	Ea	1	$525.00	$525.00
5	9999	Remove 2-2 pole 100 AMP circuit brkrs	Ea	2	$34.50	$69.00
6	9999	Replace 2-2 pole 100 AMP circuit brkrs	Ea	2	$149.00	$298.00
7	9999	Remove 2-1 pole 20 AMP circuit brkrs	Ea	2	$23.00	$46.00
8	9999	Replace 2-1 pole 20 AMP circuit brkrs	Ea	2	$49.50	$99.00
9	9999	Remove 1-120 Volt/20 AMP receptacle	Ea	1	$29.50	$29.50
10	9999	Replace 1-120 Volt/ 20 AMP receptacle	Ea	1	$159.00	$159.00
11	9999	Remove one (1) 120 Volt/20 AMP lights and switch	Ea	1	$2.64	$2.64
12	9999	Replace one (1) 120 Volt/20 AMP lights and switch	Ea	1	$182.00	$182.00
13	9999	Applicant's Project Management Costs - 10%				$179.91
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$1,979.05**

Worksheet – Cost Effectiveness:		**Cost Effectiveness Calculation:**	
A. Cost of damages prevented/reduced with	**$1,979.05**		15% or less of damaged elements
B. Net Cost of proposed mitigation:	**$1,833.70**	x	Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	**92.7%**	1.58	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	**FEMA -**	**1603**	**DR-**	**LA**	**Parish:**		**Orleans Parish**	
Applicant:	City Of New Orleans		**FIPS No:**	071-55000-00	**Cat.:**	E	**Date:**	6/21/06
PW No.		**Project Name**	Raise Damaged Equipment		HMP-2 of 4		**Project #**	CP-79

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$1,979	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$1,834	
3. Total Project Cost(1+2)	$3,813	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$233	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$2,889	
9. The Benefit Cost Ratio (item 8 divided by item 2)	1.58	

Approved:		**Denied:**		
Project Officer:	**Ashraf Siddiq**		**Date:**	
PA Mitigator	**Ashraf Siddiq**			
Comments:				

APPLICANT	FIPS #	DISASTER #			
City Of New Orleans	071-55000-00	FEMA	1603	DR	LA

COUNTY	CATEGORY	DATE
Orleans Parish	E	06/21/2006

LOCATION/SITE	PROJECT NUMBER
Joe Brown Park - Exterior Electric	CP-79

DESCRIPTION OF WORK PERFORMED/PROJECT TITLE
Raise Damaged Equipment

PROJECT OFFICER
Ashraf Siddiq

MITIGATOR
Ashraf Siddiq

FEDERAL EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEMA	1603	DR	LA	CP-79	071-55000-00	06/21/2006	E

Applicant:	City Of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK: HMP-1 of 4, Vault #2 - Extend Conduit to Raise Electrical Equipment

This HMP is to mitigate damage to the damaged Exterior Electrical Equipment at Joe Brown Park, which was damaged by standing flood waters.
The circuit breakers, control panel, switches and receptacles are installed about 3' above finished grade.The flood waters level at this part of the park was about 4 ft. Raising the equipment by 1.5 ft. will prevent the new equipment from damage by a similar flood in the future. This will require the existing steel conduits to be extended by 1.5 ft. Depending on location of the raised equipment, two concrete platforms (1-1/2' x 2' x4') will have to build for maintenance staff to be able to service the equipment.

The HMP is considered cost effective per RR policy 95261, Section 7.c. 2 appendix A paragraph 2.a.2 .
This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation In accordance with attached worksheet	$2,590.65

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				
	161322100620	Extend 2-1/2" Conduit for 8 Circuit Panel (*Labor intensive)	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2 " Conduit for 2-2-Pole 40 AMP Circuit Breaker Circuit Panel (*Labor intensive)	3.0	LF	$121.00	$363.00
	161322100620	Extend 2-1/2" Conduit for the 120 Volts/20 AMP receptacles and Switches (*Labor intensive)	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2" Conduit for the 120 Volts/20 AMP lights and switches (*Labor intensive)	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2" Conduit for 8 Circuit Panel (*Labor intensive)	3.0	LF	$121.00	$363.00
	33102403940	Reinforced concrete platform (2' x 1.5' x 8')	1.0	CY	$215.00	$215.00
	9999	Applicant's Project Management Costs - 10%				$148.55
						$0.00
						$0.00
						$0.00
						$0.00
	NOTE	**The cost of installation of equipment is included in CEF**				$0.00
	0	**Items Not Needed if HMP Approved**				$0.00
		* (Due to making connections to junction boxes and undamaged equipment)				$0.00
					Total for Line Item Only	**$1,634.05**

Recommended by (Signature):		**DATE**	**07/19/2006**
Agency: FEMA	**Ashraf Siddiq**		
Concurrence by State Applicant Liaison (signature)		**DATE**	
Agency: STATE			
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		**DATE**	
Agency: APPLICANT			

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: City Of New Orleans | **PW Reference No.** CP-79

Project Name: Raise Damaged Equipment

Damaged Element(s): HMP 1 of 4

During the Hurricane Katrina event one (1) 8-circuit panel, two (2) 2-pole 40 AMP circuit breakers, one (1) 120 Volt /20 Amp light and switch and one (1) timer/contacts/pump control box damaged by salty flood waters. The flood waters level at this part of the park was about 4 ft. Some equipment was under water partially and some smaller ones such as switches and receptacles were submerged entirely. The implementation of the proposed mitigation will prevent flood damage to electrical components; and, significantly reduce the likelihood of need to replace the equipment should a similar event occur in the future.

Cause of Damage:

Standing salt water in the vault caused corrosion and rusting of the current-carrying parts of the electrical equipment which made them useless and considered destroyed and requiring replacement.

Description of damages prevented or reduced with proposed mitigation:

The implementation of the proposed mitigation will prevent the need to remove and replace the affected electrical equipment in event of a similar occurance in the future.

Checklist:

HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Remove 8 circuit panel	Ea	1	$137.00	$137.00
2	9999	Replace 8 circuit panel	Ea	1	$420.00	$420.00
3	9999	Remove 2-pole 40 AMP circuit brkrs	Ea	2	$40.50	$81.00
4	9999	Replace 2-pole 40 AMP circuit brkrs	Ea	2	$74.50	$149.00
5	9999	Remove 120 Volts 20 AMP receptacle	Ea	1	$29.50	$29.50
6	9999	Replace 120 Volts 20 AMP receptacle	Ea	1	$159.00	$159.00
7	9999	Remove 120 Volts 20 AMP lights and switch	Ea	1	$2.64	$2.64
8	9999	Replace 120 Volts 20 AMP lights and switch	Ea	1	$182.00	$182.00
9	9999	Remove timer/contacts/ pump control box	Ea	2	$22.50	$45.00
10	9999	Replace timer/contacts/ pump control box	Ea	2	$575.00	$1,150.00
11	9999	Applicant's Project Management Costs - 10%				$235.51
						$0.00
						$0.00
						$0.00
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$2,590.65**

Worksheet – Cost Effectiveness:		Cost Effectiveness Calculation:	
A. Cost of damages prevented/reduced with	$2,590.65		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$1,634.05	x	Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	63.1%	2.31	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	Parish:		Orleans Parish		
Applicant:	City Of New Orleans		FIPS No:	071-55000-00	Cat.:	E	Date:	6/21/06	
PW No.	CP-79	Project Name	Raise Damaged Equipment		HMP-1 of 4		Project #	CP-79	

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$2,591	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$1,634	
3. Total Project Cost(1+2)	$4,225	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$305	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$3,782	
9. The Benefit Cost Ratio (item 8 divided by item 2)	2.31	

Approved:		Denied:		
Project Officer:	Ashraf Siddiq		Date:	
PA Mitigator	Ashraf Siddiq			
Comments:				

APPLICANT	FIPS #	DISASTER #			
City Of New Orleans	071-55000-00	FEMA	1603	DR	LA
COUNTY	CATEGORY	DATE			
Orleans Parish	E	06/21/2006			
LOCATION/SITE	PROJECT NUMBER				
Joe Brown Park - Exterior Electric	CP-79				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
Raise Damaged Equipment					
PROJECT OFFICER					
Ashraf Siddiq					
MITIGATOR					
Ashraf Siddiq					

FEDERAL EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEMA	1603	DR	LA	CP-79	071-55000-00	06/21/2006	E

Applicant:	City Of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK: HMP-3 of 4, Vault #7 - Extend Conduit to Raise Electrical Equipment

This HMP is to mitigate damage to the damaged Exterior Electrical Equipment at Joe Brown Park, which was damaged by standing flood waters.
One (1) 240 Volt/60 AMP Disconnect switch, one (1) 18-circuit electrical panel and three (3) 36"x36"x8" junction boxes are installed about 3' above finished grade.The flood waters level at this part of the park was about 4 ft. Raising the equipment by 1.5 ft. will prevent the new equipment from damage by a similar flood in the future. This will require the existing steel conduits to be extended by 1.5 ft. Depending on location of the raised equipment, two concrete platforms (1-1/2' x 2' x4') will have to build for maintenance staff to be able to service the equipment.

The HMP is considered cost effective per RR policy 95261, Section 7.c. 2 appendix A paragraph 2.a.2 .
This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	$8,578.35

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				
		Vault #7				
	161322100620	Extend 2-1/2" Conduit for one (1) 240 Volt/60 AMP disconnect switch *(Labor intensive)	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2 " Conduit for one (1) 18-circuit electrical panel	1.5	LF	$121.00	$181.50
	161322100620	Extend 2-1/2" Conduit for three (3) 30"x30"x8" junction boxes *(Labor intensive)	3.0	LF	$121.00	$363.00
	33102403940	Reinforced concrete platform (2' x 1.5' x 8')	1.0	CY	$215.00	$215.00
	9999	Applicant's Project Management Costs - 10%				$94.10
	NOTE	**The cost of installation of equipment is included in CEF**				$0.00
						$0.00
	0000	**Items Not Needed if HMP Approved**				$0.00
						$0.00
		* (Due to making connections to junction boxes and undamaged equipment)				$0.00
					Total for Line Item Only	**$1,035.10**

Recommended by (Signature):		DATE	07/19/2006
Agency: FEMA	**Ashraf Siddiq**		
Concurrence by State Applicant Liaison (signature)		DATE	
Agency: STATE			
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		DATE	
Agency: APPLICANT			

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: City Of New Orleans | **PW Reference No.** CP-79

Project Name: Raise Damaged Equipment

Damaged Element(s): HMP 3 of 4

During the Hurricane Katrina event one (1) 240 Volt/60 AMP Disconnect switch, one (1) 18-circuit electrical panel and three (3) 36"x36"x8" junction boxes were damaged by salty flood waters. The flood waters level at this part of the park was about 4 ft. Some equipment was under water partially and some smaller ones such as switches and receptacles were submerged entirely. The implementation of the proposed mitigation will prevent flood damage to electrical components; and, significantly reduce the likelihood of need to replace the equipment should a similar event occur in the future.

Cause of Damage:

Standing salt water in the vault caused corrosion and rusting of the current-carrying parts of the electrical equipment which made them useless and considered destroyed and requiring replacement.

Description of damages prevented or reduced with proposed mitigation:

The implementation of the proposed mitigation will prevent the need to remove and replace the affected electrical equipment in event of a similar occurance in the future.

Checklist:

HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	VAULT #7, Remove 240 Volt/60 AMP disconnect switch	Ea	1	$37.50	$37.50
2	9999	VAULT #7, Replace 240 Volt/60 AMP disconnect switch	Ea	1	$300.00	$300.00
3	9999	VAULT #7, Remove 400 AMP/18 circuit electrical panel	Ea	1	$325.00	$325.00
4	9999	VAULT #7, Replace 400 AMP/18 circuit electrical panel	Ea	1	$4,700.00	$4,700.00
5	9999	VAULT #7, Remove 30"x30"x8" junction box	Ea	2	$138.00	$276.00
6	9999	VAULT #7, Replace 30"x30"x8" junction box	Ea	2	$1,080.00	$2,160.00
7	9999	Applicant's Project Management Costs - 10%				$779.85
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$8,578.35**

Worksheet – Cost Effectiveness:		Cost Effectiveness Calculation:	
A. Cost of damages prevented/reduced with	$8,578.35		15% or less of damaged elements
B. Net Cost of proposed mitigation:	$1,035.10	x	Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	12.1%	12.10	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	**Parish:**		Orleans Parish		
Applicant:	City Of New Orleans		FIPS No:	071-55000-00	Cat.:	E	**Date:**	6/21/06	
PW No.		**Project Name**	Raise Damaged Equipment		HMP-3 of 4		**Project #**	CP-79	
1. Cost to Repair to pre-disaster condition in accordance with applicable standards.							$8,578		
2. Additional cost to mitigate the damage (Cost of Mitigation)							$1,035		
3. Total Project Cost(1+2)							$9,613		
4. Frequency of the event causing the damage (for a 50 year event, enter 50)							8.5		yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)							$1,009		
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)							30		yrs
7. Discount Rate.							7.00%		
8. The Present Value of Future Project Benefits							$12,523		
9. The Benefit Cost Ratio (item 8 divided by item 2)							12.10		
Approved:				**Denied:**					
Project Officer:	**Ashraf Siddiq**					**Date:**			
PA Mitigator	**Ashraf Siddiq**								
Comments:									

APPLICANT	FIPS #	DISASTER #			
City Of New Orleans	071-55000-00	FEMA	1603	DR	LA
COUNTY	CATEGORY	DATE			
Orleans Parish	E	06/21/2006			
LOCATION/SITE	PROJECT NUMBER				
Joe Brown Park - Exterior Electric	CP-79				
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE					
Raise Damaged Equipment					
PROJECT OFFICER					
Ashraf Siddiq					
MITIGATOR					
Ashraf Siddiq					

FEDERAL EMERGENCY MANAGEMENT AGENCY
HAZARD MITIGATION PROPOSAL (HMP)

Declaration No.				Applicant Project No.	FIPS Number	Date:	Category:
FEM A	1603	DR	LA	CP-79	071-55000-00	06/21/2006	E

Applicant:	City Of New Orleans	County:	Orleans Parish

SCOPE OF MITIGATION WORK: HMP-4 of 4, Vault #7 - Extend Conduit to Raise Electrical Equipment

This HMP is to mitigate damage to the damaged Exterior Electrical Equipment at Joe Brown Park, which was damaged by standing flood waters.

One (1) 277/480 Volt/225 AMP lighting control cabinet located outdoor setting on an existing 1 ft. high concrete foundation was damaged by standing salt water. The flood waters level at this part of the park was about 4 ft. Raising the equipment by 3 ft. will prevent the new equipment from damage by a similar flood in the future. This will require the existing steel conduits to be extended by 3 ft. A new 4' high, 3' wide, 2' deep concrete foundation/ 2' high, 3' wide, 3' deep with 2-step staires platform (all poured in one piece) will have to be built for raising the equipment and maintenance staff to be able to service the equipment.

The HMP is considered cost effective per RR policy 95261, Section 7.c. 2 appendix A paragraph 2.a.2 .
This HMP is for cost estimating purposes only. The final design is the obligation of the Applicant and/or their agent.

Total Cost of Damages Prevented or Reduced by the Mitigation in accordance with attached worksheet	**$3,408.90**

ESTIMATE OF WORK

Item	Code	Material and/or Description	Quantity	Unit	Unit Price	Cost
1	0000	**Items Needed if HMP Approved**				
		Vault #7				
	161322100680	Extend four (4) 4" Conduits 3' for one (1) 277/480 Volt/225 AMP lighting control cabinet *(Labor intensive) serving the Tennis Court lights	12.0	LF	$136.00	$1,632.00
	33102401020	Reinforced concrete platform	2.0	CY	$720.00	$1,440.00
	9999	Applicant's Project Management Costs - 10%				$307.20
	NOTE	**The cost of installation of equipment is included in CEF**				$0.00
						$0.00
	0000	**Items Not Needed if HMP Approved**				$0.00
						$0.00
		* (Due to large conduit work)				$0.00
					Total for Line Item Only	**$3,379.20**

Recommended by (Signature):		**DATE**	**07/19/2006**
Agency: FEMA	**Ashraf Siddiq**		
Concurrence by State Applicant Liaison (signature)		**DATE**	
Agency: STATE			
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)		**DATE**	
Agency: APPLICANT			

Note: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work

Federal Emergency Management Agency

1603 Katrina Hazard Mitigation Checklist

Applicant: City Of New Orleans | **PW Reference No.** CP-79

Project Name: Raise Damaged Equipment

Damaged Element(s): HMP 4 of 4

During the Hurricane Katrina 277/480 Volt/225 AMP lighting control panel/cabinet was damaged by salty flood waters. The flood water level at this part of the park was about 4 ft. 3 ft. of the 5' high cabinet was under water. The implementation of the proposed mitigation will prevent flood damage to electrical cabinet; and, significantly reduce the likelihood of need to replace the equipment should a similar event occur in the future.

Cause of Damage:

Standing salt water in the vault caused corrosion and rusting of the current-carrying parts of the electrical equipment which made them useless and considered destroyed and requiring replacement.

Description of damages prevented or reduced with proposed mitigation:

The implementation of the proposed mitigation will prevent the need to remove and replace the affected electrical equipment in event of a similar occurance in the future.

Checklist:

HMP must meet the following:

X	Technically Feasible
X	Compliant with Regulations
X	Does not significantly increase maintenance costs

Damages Prevented or Reduced with Proposed Mitigation

Item	Code	Material and/or Description	Unit	Quantity	Unit Price	Cost
1	9999	Tennis Court, Remove 277/480 Volt/225 AMP lighting control panel/cabinet	Ea	1	$49.00	$49.00
2	9999	Tennis Court, Replace 277/480 Volt/225 AMP lighting control panel/cabinet	Ea	1	$3,050.00	$3,050.00
3	9999	Applicant's Project Management Costs - 10%				$309.90
		Total Cost of Damages Prevented or Reduced by the Mitigation				**$3,408.90**

Worksheet – Cost Effectiveness:		**Cost Effectiveness Calculation:**	
A. Cost of damages prevented/reduced with	**$3,408.90**		15% or less of damaged elements
B. Net Cost of proposed mitigation:	**$3,379.20**	x	Appendix A measure (100% list)
C. Net Cost of mitigation / Cost of damages:	**99.1%**	1.47	Benefit Cost Analysis, BCA >1.0

Federal Emergency Management Agency

Mitigation Benefit and Cost Effectiveness Analysis

Declaration No:	FEMA -	1603	DR-	LA	Parish:		Orleans Parish	
Applicant:	City Of New Orleans		FIPS No:	071-55000-00	Cat.:	E	Date:	6/21/06
PW No.		Project Name	Raise Damaged Equipment		HMP-4 of 4		Project #	CP-79

1. Cost to Repair to pre-disaster condition in accordance with applicable standards.	$3,409	
2. Additional cost to mitigate the damage (Cost of Mitigation)	$3,379	
3. Total Project Cost(1+2)	$6,788	
4. Frequency of the event causing the damage (for a 50 year event, enter 50)	8.5	yrs
5. Actual Annual Probable Benefit from the mitigation. (Item 1 divide by item 4)	$401	
6. Effective life of the mitigation (the lesser of the facility life or the mitigation life)	30	yrs
7. Discount Rate.	7.00%	
8. The Present Value of Future Project Benefits	$4,977	
9. The Benefit Cost Ratio (item 8 divided by item 2)	1.47	

Approved:		Denied:		
Project Officer:	Ashraf Siddiq		Date:	
PA Mitigator	Ashraf Siddiq			
Comments:				

ORLEANS PARISH (NOLA) GROUP PROJECT WORKSHEET REVIEW

PROJECT #: CNO-PK1 APPLICANT: City of New Orleans PA ID: 71.166000.00

FACILITY NAME: Joe Brown Park

PAC/PO: Hughes / Rivera & Daisy PW AMOUNT: $ 1,379,690.61

	OFFICIAL (PRINT NAME)	INITIALS/DATE	COMMENTS
☑	PROJECT OFFICER: Rivera, O. Daisy, A.	5/5/08	
☑	PAC: DN Hughes	DNH 5/6/08	
☒	HMP: Michelle Lewis	ML 6/5/08	HMPs INCLUDED FROM PREVIOUS DE-OB PWs
☐	CEF:		
☑	GROUP LEAD: [illegible]	5/30/08	
☐	APPLICANT REPRESENTATIVE: David Becnel	DBB 6/5/08	
☐	QA/QC:		
☐	COPY FILED		
☐	DISK ATTACHED		

NOTE: PW MUST HAVE SIGNATURE AND TITLE OF APPLICANT REPRESENTATIVE, P.O. AND PAC.
PW MUST HAVE SIGNATURE AND TITLE OF STATE AND APPLICANT REP ON ALL HMP PROPOSALS